

BME Freshman

123 Street, Town, MA 00000

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<https://www.linkedin.com/in/uniqueURL>

EDUCATION

University of Connecticut; Storrs, CT
Bachelor of Science in Engineering; May 2019
Major: Biomedical Engineering

Fontbonne Academy; Milton, MA
High School Diploma, May 2015
GPA: x.x/4.0

SKILLS

Technical Skills: MATLAB, Arduino, Microsoft Publisher, and Powerpoint
Language Skills: fluency in Cantonese Chinese and basic knowledge of Latin

WORK EXPERIENCE

BRIDGE Program; Storrs, CT May 2016 - present
Chemistry and Calculus Tutor

- Mentored students of underrepresented backgrounds in engineering by providing them with tools to be successful during their first year of college and beyond.
- Tutored chemistry and calculus but also acted as a resource for physics and computer science.

PROJECT EXPERIENCE

Foundations of Engineering Project; Storrs, CT January 2016 - April 2016

- Completed first year introductory engineering project challenging groups of students to create an exoskeleton for an upper or lower extremity.
- Created a preliminary design of a smart glove controlled by a computer chip that assesses and counteracts Parkinson's tremors.

Babson Entrepreneurship Leadership Academy; Wellesley, MA November 2014 - August 2015

- Co-founded and designed the technical aspects of BlueCampus, a college campus safety cell phone application that won both The Fontbonne Cup and The Babson Boston Cup.
- Participated in afterschool business program that focuses on creating economic and social value through a sustainable venture development.

LEADERSHIP

Engineering Ambassador Presentation Team; Storrs, CT April 2016 - present
Student Ambassador

- Present STEM topics to Connecticut middle and high schools using assertion-evidence structure.

Multiply Your Options; Storrs, CT January 2016 - present
Chairperson

- Organize and execute an annual STEM conference for 250 middle school girls.

VOLUNTEER WORK

Museum of Science Discovery Center; Boston, MA June 2014 - present
Boston Children's Hospital; Boston, MA June 2013 - present

BME Sophomore

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Education

University of Connecticut, Storrs, CT

Bachelor of Science in Engineering, Biomedical Engineering, May 2019

Bachelor of Science in Engineering, Electrical Engineering, May 2019

GPA: 3.963/4.000, Dean's List (Fall 2015 – Spring 2016), *Honors Program*

Concentrations: Biomechanics, Bio systems, Imaging, and Instrumentation

Algonquin Regional High School, Northborough, MA

High School Diploma, May 2015, GPA: 4.81/5.00, Honor Roll (Fall 2011 – Spring 2015)

Research Experience

Nanotechnology Research Internship, University of Connecticut, Storrs, CT June 2016 – August 2016

- Responsible for the characterization of Nano-devices made of GST for Phase Change Memory
- Assisted graduate students and professors with their simulations and measurements
- Involved with improvement of the lab microscopic setup to improve accuracy and increase efficiency

Cartilage Sample Retrieval Honors Project, University of Connecticut, Storrs, CT October 2016 – December 2016

- Designing methods to get strong undamaged cartilage samples from bovine tibia in order to study the mechanical properties of the cartilage

Activities

Society of Women Engineers, UConn Chapter, University of Connecticut, Storrs, CT October 2015 – Present
New Member Director (Spring 2017)

- Volunteered for CT STEM Night in Hartford, CT and facilitated a prosthetic leg demo for groups of middle school children
- Participate in weekly discussions related to women in STEM

Teaching Assistant, University of Connecticut, Storrs, CT August 2016 – Present

- Facilitate an honors first year experience class and help incoming freshman transition to college

Engineering Ambassadors, *Member*, University of Connecticut, Storrs, CT September 2016 – Present

- Volunteered in Northeastern Science Bowl for High School Students and moderated a room

Phi Sigma Rho, *Member*, University of Connecticut, Storrs, CT September 2016 – Present

Academic Board (Spring 2017)

UConn Next Step, University of Connecticut, Storrs, CT May 2015 – Present

VP of Communications

- Collaborate with others to create this club to teach UConn students life skills to prepare them for the “real world” as well as manage social media accounts, events, and posters to keep members informed

Alpha Lambda Delta, *Member*, University of Connecticut, Storrs, CT February 2016 – Present

- Inducted into honor society due to academic achievement

National Art Honor Society, Algonquin Regional High School September 2012 – May 2015

Co-President (2015)

Volunteer Experience

Peer Allies Through Honors, *Mentor*, University of Connecticut, Storrs, CT August 2016 – Present

Multiply Your Options, University of Connecticut, Storrs, CT (Spring 2016)

Northeastern Science Bowl, University of Connecticut, Storrs, CT (Spring 2016)

CT STEM Night, University of Connecticut, Storrs, CT (Fall 2015)

Skills and Certifications

Computer: Microsoft Word, Excel, PowerPoint

Experience with: COMSOL Multi-physics, Android App Development, Mat Lab, Origin, Java, LabView

Certifications: CITI trained (Biomedical Research Course), SCUBA SSI Open-Water Diver

BME Sophomore

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Objective

I am looking for a summer job where I can practice my problem solving, social, and organizational skills as well as branch out and learn more about the different fields.

Education

University of Connecticut, Storrs, CT

Bachelor of Science in Engineering, Biomedical Engineering, May 2019

Minor: Nanotechnology, Tracks: Biomechanics and Biosystems, Imaging, and Instrumentation

GPA: 3.906/4.000, Dean's List (Fall 2015), *Honors Program, Sophomore Standing*

Algonquin Regional High School, Northborough, MA

High School Diploma, May 2015, GPA: 4.81/5.00, Honor Roll (Fall 2011-Spring 2015)

Activities

Engineers Without Borders, *Member*, University of Connecticut, Storrs, CT September 2015 –

Present

- Collaborate with team to complete paperwork to make the Dominican Republic project official
- Contributed to the toy drive for a community in the Dominican Republic

Society of Women Engineers, *Member*, University of Connecticut, Storrs, CT October 2015 – Present

- Volunteered for CT STEM Night in Hartford, CT and facilitated a prosthetic leg demo for groups of middle school children

- Managed and lead a room for the Northeast Science Bowl

Alpha Lambda Delta, *Member*, University of Connecticut, Storrs, CT

February 2016 – Present

- Inducted into honor society due to academic achievement

National Art Honor Society, Algonquin Regional High School

September 2012 – May 2015

Co-President (2015)

- Facilitated weekly meetings and offered induction project assistance to members
- Coordinated group volunteer opportunities to our local senior center
- Represented our local chapter in the National Art Honor Society conference in Washington D.C.
- Implemented new chapter rules to strengthen our chapter

Yearbook Committee, *Editor*, Algonquin Regional High School

September 2014 – May 2015

- Planned the layout for the entire yearbook
- Critiqued, edited, and designed numerous pages preceding their deadlines
- Assigned club members realistic tasks that excited them

Peer Allies Through Honors (PATH), University of Connecticut, Storrs, CT

September 2015 - Present

Path Mentor (2016)

- Will be paired with an incoming freshman and will mentor them as they transition into college

Volunteer Experience

National Honor Society, Algonquin Regional High School

January 2014 – May 2015

- Participated monthly in community service projects for a minimum of 2 hours

Senior Center, Northborough, MA

September 2013 – May 2015

- Distributed food to local seniors and set up and decorate for weekly events

Tutoring, Algonquin Regional High School, Northborough MA

September 2014 – May 2015

- Tutored geometry, chemistry, calculus, and physics

American Red Cross Club, Northborough, MA

September 2011 – May 2015

Skills and Certifications

Facilitation Training: Currently being trained to facilitate a small class of college freshman next semester

Computer: Microsoft Word, Excel, PowerPoint, MatLab

Certifications: CITI trained (Biomedical Research Course), QPR suicide prevention gatekeeper certified

BME Senior

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EDUCATION

University of Connecticut, Storrs, CT

Bachelor of Science in Engineering

Major: Biomedical Engineering, Minor: Electronics and Systems

Anticipated May 2019

WORK EXPERIENCE

Biostage

Holliston, MA

Biomaterials Lab Research and Development Intern

May 2018 – August 2018

- Researched new strategies for developing synthetic tissue scaffolds via electrospinning, characterized scaffold materials, and wrote detailed scientific reports.
- Compared scaffolds produced using HFIP solvent from Biostage's current supplier to scaffolds that used solvent from the potential supplier.
- Investigated the cause of discharge forming on the scaffold fibers using scanning electron microscopy and x-ray photoelectron spectroscopy.

SPARK Program, UConn

Storrs, CT

Co-founder, Student Youth Outreach & Education Specialist

May 2017 – July 2017

- Conceptualized and launched a successful 4-week summer program with 80 girls inspired by my work with the university's one-day STEM outreach event, Multiply Your Options.
- Implemented a project-based curriculum for the 3-D printing session and aided in the instruction of coding and robotics.

RESEARCH EXPERIENCE AND ACADEMIC PROJECTS

Senior Capstone Project, UConn

Storrs, CT

Physiological Monitoring of Stress and Fatigue

August 2018 – Present

- Develop a human research experiment that assesses cognitive load with respect to pupil dilation using the n-back task and iMotions.
- Collaborate with a multidisciplinary group to design and build a prototype device for Navy Personnel under the duress of stressors.

Professor Ki Chon's Research Laboratory, UConn

Storrs, CT

Novel Conductive Carbon Black and Polydimethylsiloxane ECG Electrode

November 2017 – Present

- Assist in the fabrication of carbon black and PDMS electrode using a vacuum chamber and curing oven.
- Evaluate the performance of novel electrode against commercial-grade hydrogel silver/silver chloride electrodes in water.

SKILLS

Languages: intermediate knowledge of MATLAB and LabVIEW; basic knowledge of C++

Software: intermediate knowledge of Arduino; basic knowledge of PSpice, LogicWorks, and SolidWorks

LEADERSHIP

UConn Society of Women Engineers; President

May 2018 – Present

- Execute the external operations of a 60-member organization as well as host weekly meetings which aim to introduce, support, and empower women in engineering.

Engineering Ambassador Presentation Team; Student Ambassador

April 2016 – Present

- Prepare and deliver STEM-related presentations to increase awareness of these subjects among students in Connecticut middle and high schools.

Engineering Ambassadors; Vice-President of General Body

April 2017 – May 2018

- Organize and run weekly General Body meetings which aim to engage and develop the student population, specifically students within the STEM community.

BME Senior

Address | Phone Number | Email | LinkedIn URL

OBJECTIVE

I am seeking a full-time position where I can apply the technical skills I have obtained as an experienced materials research assistant and biomedical engineering intern.

EDUCATION

University of Connecticut, Storrs, CT

Bachelor of Science in Engineering, May 2019

GPA: x.x/4.0

Major: Biomedical Engineering, *Biomaterials*

Minor: Material Science and Engineering

Engineering Dean's List

WORK EXPERIENCE

Z-Medica, LLC

Wallingford, CT

Research and Development in Engineering Intern

May 2018- Present

- Perform in vitro testing on current QuikClot products and prototypes
- Research competitive products to keep up with the demand and advancement of hemostatic gauze

Hanger Clinic for Prosthetics and Orthotics

Fairlawn Rehabilitation Hospital, Worcester, MA

Intern

May 2017- August 2017

- Engineered prosthetic legs, made casting molds for orthotic purposes with Insignia™ Laser Scanner
- Improved the function of prosthetics and orthotics by utilizing tools such as a grinder and a drill press

Engineering Diversity and Outreach Center

UConn, Storrs, CT

Office Worker

September 2015-June 2016

- Strived to increase and support the gender and race diversity within the field of engineering
- Gained culture sensitivity and the ability to build rapport within multicultural settings

RESEARCH EXPERIENCE

Institute for Regenerative Engineering

Dr. Yusuf Khan, UConn Health Center, Farmington, CT

Research Assistant

September 2018- Present, Academic Internship

- Practice standard lab techniques such as cell culture, autoclaving, and lyophilization
- Utilize different assays such as rtPCR and ELISA to analyze the gene and protein expression within cells
- Research ultrasound-based differentiation of MC3T3 stem cells within alginate and collagen hydrogels

Interdisciplinary Mechanics Laboratory

Dr. David Pierce, UConn, Storrs, CT

Research Assistant

January 2016- August 2018, Weekly Academic Credit

- Performed impact testing and cyclic loading on biological tissues to study osteoarthritis in the knee

SKILLS

Technical

Proficient:

SOLIDWORKS, LabVIEW, ImageJ, Shimadzu EZ-XL Machine and TrapeziumX Software, Tinius Olsen model 150ST Machine and Software, FlexLogger, VH Dissector

Competent:

MATLAB, Arduino, Zeiss microscope and ZEN software, LTSpice, Multisim, Insignia™

Novice:

Minitab Statistical Software, AMTI Accusway force platform, Delsys EMG

Leadership

Society of Women Engineers (SWE)

Professional Director of UConn SWE

May 2018-Present

- Responsible for providing professional development resources for all members

- Multiply Your Options, run workshops to encourage 8th grade girls to pursue a STEM career

Learning Community Program

Vice President of Marketing for LC Executive Council

April 2017-May 2018

- Organized events across communities to support academic achievement

Involvement

Society of Women Engineers, Biomedical Engineering Society, Astronomy Association,

Refresh Bible Study, Outing Club, Ski and Snowboard Club, Concrete Canoe, BRIDGE

CSE Senior

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EDUCATION

University of Connecticut

Bachelor of Science in Engineering | x.xx

Major: Computer Science and Engineering; Concentration: Cybersecurity

Minor: Mathematics

Storrs, CT

May 2019

EXPERIENCE

UConn University Information Technology Services

Student IT Assistant (Tier II)

- Manage accounts for the University of Connecticut in Microsoft Office 365 and Google with Office 365 Admin and Google Admin
- Manage University of Connecticut Listserv Accounts
- Coordinate with Microsoft and Barracuda Systems to resolve advanced technical issues

Student IT Trainee (Tier I)

- Gained knowledge on Barracuda Systems, University of Connecticut's spam vendor
- Learned how to manage networking services and incoming spam related issues
- Developed strong customer service skills

UConn Graduate School

Student Administrative Assistant

- Performed basic administrative tasks
- Compiled and analyzed data

UConn International Teaching Assistant Program

Student Administrative Assistant

- Communicate with students to answer questions and direct them to the proper office
- Compiled and analyzed data in relation travel grants

Storrs, CT

Oct. 2016 - Present

Oct. 2015 – Oct. 2016

Storrs, CT

Sept. 2015 – Dec. 2015

Storrs, CT

Aug. 2015 – Dec. 2015

SKILLS

- Java, JavaScript, HTML, Visual Basic, PowerShell, ListServ, Office365Admin, GoogleAdmin Barracuda Systems
- Proficient in Microsoft Word, Excel, PowerPoint, Familiar with SharePoint, Flow and Sway
- Strong analytical, communication and organizational skills
- Fluent in English, Urdu and Hindi

ACTIVITIES

Society of Women in Engineering

Multiplying Your Options Co-Director

Member

Storrs, CT

Dec. 2016 - Present

Sept. 2015 - Present

Explore Engineering – Young Engineering Science Scholars Program

Computer Science and Engineering Teaching Assistant

Storrs, CT

June 2016

Lajna Imaillah – Connecticut Chapter

Finance Department – Waqf-e-Jadid Secretary

Hartford, CT

Oct. 2014 -Present

CSE Senior

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Education

University of Connecticut

Bachelors of Science in Engineering | GPA: x.x/4.0

Computer Science and Engineering, Concentration: Cyber Security

Storrs, CT

May 2019

Experience

Synchrony

BLP Technology Intern, Data Office

Stamford, CT
June 2018 – Aug. 2018

- Built Tableau dashboard that displays discrepancies between physical databases and databases stored in Collibra
- Acted as Scrum master for July and August agile release
- Organized events and activities for Synchrony sponsored Girls Who Code class

NBC Sports Group

Engineering Intern

Stamford, CT
June 2017 – Aug. 2017

- Configured 2018 Winter Olympics International Broadcasting Center and venue edit cases
- Tested and packed broadcast equipment for onsite use at the 2018 Winter Olympics
- Imaged, tested and packed CPUs and laptops for onsite use at the 2018 Winter Olympics

UConn University Information Technology Services

Server Support Group Student IT Specialist

Server Support Group Student IT Assistant

Server Support Group Student IT Assistant

Storrs, CT
Sept. 2017 – Present
Oct. 2016 – Sept. 2017
Oct. 2016 – Oct. 2016

- Create, delete and service accounts for the University of Connecticut in Microsoft Office 365 and Google with Office 365 Admin, Google Admin and ListServ
 - Gained and expanded knowledge on VMWare and Linux
 - Migrated School of Business and School of Engineering Accounts to Office 365
 - Managed networking services and incoming spam related issues
-

Research and Projects

Computer Science and Engineering Department Senior Design Project

Movia Robotics

Storrs, CT
Aug. 2018 – Present

- Output data from a RealSense d435 camera analyze gesture movements of users
- Input data from camera to Unity and model user's body and create collision detection software
- Resulting software will be directly integrated into robots used to aid children with Autism

Computer Science and Engineering Department

Independent Study - Professor Jeffrey Meunier

Storrs, CT
Sept. 2017 – May 2018

- Integrate use of smart glasses with a motion sensor to simulate an augmented reality screen via an interface controlled by gesture inputs from the user
 - UConn Innovation Quest Finalist
-

Skills

- **Programming Languages:** Proficient: Java, Bash, Visual Basic; Intermediate: C, Python, Powershell, Javascript; Beginner: SQL, Django, C#
 - **Admin Experience:** ListServ; Office365Admin; GoogleAdmin; Barracuda Systems, Active Directory
 - **Software:** Microsoft Office; SharePoint, Flow and Sway; Windows; Google Drive, Tableau, Jira, Splunk
-

Activities

UConn Society of Women Engineers

Professional Relations Chair

Storrs, CT
Sept. 2015 – Present

The Major Experience

Computer Science & Engineering Mentor

Storrs, CT
April 2018 – Present

Explore Engineering Young Engineering Science Scholars Program

Computer Science and Engineering Teaching Assistant

Storrs, CT
June 2016

Civil Engineering Sophomore

123 Random Street | Town, CT 00000 | (123) 456-7890 |
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EDUCATION

University of Connecticut,
Bachelor of Science In Engineering, Major in Civil Engineering
GPA: x.xx/4.0

Storrs, CT
May 2021

WORK EXPERIENCE

Niantic Dairy Queen
Shift manager and server

Niantic, CT
March 2015-Present

- Led employees during shifts utilizing effective interpersonal skills
- Efficiently communicated with and understand customers and coworkers with diverse backgrounds to understand and comply to their specific needs
- Maintained the store during opening and closing in a timely and efficient fashion

TECHNICAL SKILLS

Application Programming: Basic understanding of Python, basic understanding of Arduino

Drafting: Basic understanding of AutoCAD, basic understanding of SolidWorks

Microsoft: Proficient in Word, PowerPoint, and Excel

Adobe: Proficient in InDesign and Photoshop

Language: Basic understanding of French

RELEVANT PROJECTS

School of Engineering

Storrs, CT
February 2017

Design Project for Engineering 1166

- Designed a four-way intersection using SolidWorks.
- The intersection included four two-lane roads, shoulders, sidewalks, stop signs, and crosswalks.

Design Project for Engineering 1166

April 2017

- Designed and fabricated a windmill along side group members optimizing costs and efficiency.
- Designed and 3-D printed specialized gears to generate power most effectively through programming with Python and Arduino to indicate how much power was generated.
- Delegated a team of four people to achieve all reports and presentations on time.

Design Project for Engineering 1166

February 2017

- Designed and fabricated a water filter using everyday items optimizing cost and clarity of water using Python and Arduino to identify water clarity.
- Led a group of four to achieve all reports and presentations on time.

ACTIVITIES

Society of Women Engineering at the University of Connecticut

Storrs, CT

New Members Officer

August 2017-Present

- Organize meetings for 30 new members and relay information between new members and the executive board
- Lead for mentorship program to connect new and returning members along with organizing social events for new members
- Volunteer in Multiply Your Options (MYO), an event hosted by the SWE that runs activities for young girls to learn the joy of engineering. Ran an activity in which girls saw the relationship between polymers.

Civil Engineer Senior

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stephanie.bogue@uconn.edu | www.linkedin.com/in/uniqueURL/

EDUCATION

University of Connecticut, Storrs, CT

Bachelor of Science in Engineering, May 2019

Major: Civil Engineering; GPA: x.xx/4.00

- Relevant Course Work: Transportation Engineering & Planning, Case Studies in Transportation Engineering, Mechanics of Materials, Soil Mechanics, Introduction to Geospatial Measurement & Analysis, Basic Structural Analysis

EMPLOYMENT EXPERIENCE

Lane Construction, Cheshire, CT

Engineering Intern, May 2018 – July 2018

- Analyzed a variety of deliverables & design plans for several heavy highway construction projects
- Performed proposed and demolition takeoffs for bridges, pavement, flatwork, and box culverts
- Utilized Bluebeam and MS Excel to extract, manipulate, and organize data based on desired quantities of linear footage, area, and volume

BRIDGE Program, University of Connecticut, Storrs, CT

Tutor, July 2016 – August 2016

- Tutored and mentored incoming engineering students in multiple, first year STEM courses
- Demonstrated leadership skills by facilitating and coordinating activities to maximize students' learning experience

ENGINEERING PROJECT EXPERIENCE

UConn School of Engineering, Storrs, CT

Survey Project, Fall 2017

- Conducted topographic and traverse surveys of an on-campus building using TotalStation and GPS
- Utilized InRoads, MicroStation, and ArcGIS software to create topographic and planimetric maps of the building and surrounding features

UConn School of Engineering, Storrs, CT

Traffic Impact Study, Spring 2017

- Assessed the traffic impacts of an on-campus location through data collection, calculation, and analysis using ITE Trip Generation
- Calculated the peak hour volume from the observed data for comparison with estimated ITE value
- Analyzed the comparison to evaluate how traffic flow is affected by the site development

LEADERSHIP EXPERIENCE

Society of Women Engineers, Storrs, CT

Public Relations Director, April 2018 – Present

- Develop and implement strategies that promote a positive image of the organization and its members
- Collaborate with other SWE Directors and oversee the progress of Officers to ensure goals for the organization are achieved

Social Media Officer, January 2018 – April 2018

- Consistently updated UConn SWE's Instagram and Facebook to promote the organization and engage followers

Director of Scholarship, October 2017 – December 2017

- Organized and promoted scholarship opportunities aimed towards female engineer and STEM students for the organizations' members

SKILLS

- Proficient in Microsoft Word, PowerPoint, Excel, Bluebeam, Adobe Premiere Pro
- Familiar with MatLab, MicroStation, SAP2000, InRoads, ArcGIS

Mechanical Engineer Junior

123 Street, Town, CT 00000 | first.last@uconn.edu | (123) 486-7890

Objective

Seeking an entry-level mechanical engineering intern position where I can utilize my education and experience, and apply technical skills to design, analyze, and implement engineering solutions while gaining valuable work experience.

Education

University of Connecticut, Storrs, CT

- *Bachelor of Science in Engineering*, Mechanical Engineering; *Bachelor of Arts in Spanish*, May 2020
- Honors/Awards: Sikorsky Aircraft BRIDGE Scholarship (2016), University Leadership Scholarship (2016-2020), Nutmeg Scholarship Nominee (2015)

University of Connecticut School of Engineering BRIDGE Program, *Program Participant*, (June 2016-August 2016)

- Developed project-management and time-management skills during an academically intensive, five-week curricula.
- Attended industry tours of the most prominent engineering companies in Connecticut to network with professionals.

Skills

Computer: Proficient with MS Excel, PowerPoint, and Outlook; Intermediate knowledge of Python, Revit, and SolidWorks
Languages: Intermediate knowledge of Spanish

Work Experience

Johnson & Johnson DePuy Synthes, *Foundry Operations Co-op*, Raynham, MA (May 2017-August 2017)

- Supported the workflow of the foundry's senior staff members by generating performance figures, providing input on daily operations, and gaining knowledge of the company's medical tools to update work instructions.
- Facilitated and led meetings for the Kaizen Program, which is a form of lean manufacturing aimed at improving efficiency and eliminating waste in a work environment.
- Presented results found from video tracking every step of the production process.
- Researched solutions for organizing tools and equipment and met with sales representatives to implement my findings.

Extracurricular Activities

Engineering Ambassadors Presentation Team, Storrs, CT (April 2018-Present)

- Present the knowledge of STEM disciplines among all of today's youths through outreach and mentorship; grow professionally through leadership and communication workshops and events with corporate sponsors.

Engineering Ambassadors Tour Guides, *Wastewater Treatment Facility Chair*, Storrs, CT (January 2017-Present)

- Work with the wastewater treatment plant employees and help run their tours program for outside visitors and clubs; recruit and train tour guides for the facility.
- Lead campus tours for prospective engineering students; volunteer for events that promote the field of engineering to K-12 students across Connecticut.

Society of Hispanic Professional Engineers, *Secretary*, Storrs, CT (September 2016-Present)

- Keep accurate history and records of the society's activities and meetings; write and distribute meeting minutes for each executive board and general body meeting.
- Attended a Regional Leadership Development Conference which helped improve organizational, managerial, and technical skills; learned how to interact and network with the society's corporate supporters.
- Volunteered at the check-in table for the Region F Society of Women Engineers Conference.

Eagle Scout (2015), **Boy Scouts of America**, **St. Matthew's School**, Bristol, CT (September 2009-November 2015)

- Acted as a mentor to younger members and held troop leadership positions including Chaplain Aid, Leave No Trace Trainer, and Order of the Arrow Honor Society Representative.
- Successfully led and organized a community service project; managed a 20-person team and fundraised \$3,740.

Volunteer Service

SOS Food Recovery, **University of Connecticut**, Storrs, CT (February 2018-Present)

- Collaborate with the UConn Department of Dining Services to salvage food that is targeted for disposal and donate it to community partners/not-for-profit agencies; promote the reduction of food waste and food insecurity in the community.

Make-A-Wish Connecticut, Trumbull, CT (October 2016-Present)

- Fundraised more than \$4,000 over a two-semester period to help grant the wishes of children with life-threatening medical conditions and participated in a six-day long trek through the Peruvian Andes to Machu Picchu.
- Painted a replica of Fenway Park's "Green Monster" for a child with Duchenne muscular dystrophy.

Mechanical Engineer Junior

123 Street, Town, CT, 00000

123-456-7890 | first.last@uconn.edu | LinkedIn Profile Link

Education

University of Connecticut - Storrs, CT

Bachelor of Science in Engineering - School of Engineering (May 2020)

Major: Mechanical Engineering, Navy STEM Concentration

GPA: x.xx/4.0

UConn School of Engineering BRIDGE Program – Storrs, CT (Summer 2016)

- Selected to participate in, and successfully completed, academically intensive engineering program, enhancing my analytical, time management and project management skills
- Collaborated in diverse, interdisciplinary teams in physics-based challenges fostering teamwork and communication skills

Academic Scholarships

2016 - 2020

University of Connecticut – 4 Year Academic Excellence Scholarship recipient

Summer 2016

Sikorsky Aircraft Bridge Scholarship recipient

Technical Skills

Application Programming: Python, Jupyter, Linux, AutoCAD, MatLab

Microsoft Office Applications: Excel, Word, PowerPoint

Extra-Curricular Activities

April 2017 - present

UConn Engineering Ambassadors Presentation Team

- Selected as one of 24 students to represent the UConn School of Engineering
- Reach out and educate Connecticut elementary, middle, and high schoolers on how their current school subjects (Algebra, Physics, Chemistry, etc.) are being applied in the real world
- Trained in the Assertion Evidence presentation style

Aug 2017- present

UConn Engineering Ambassadors Tour Guides

- Encourage prospective students to attend UConn through weekly tours of the engineering department

Aug 2016 – Jan 2018

UConn NCAA Division I Women's Rowing Team

(20 hours/week)

- Earned silver medal in the Freshman 8+ event at Head of the Schuylkill – 2nd out of 41 boats
- Actively promote UConn athletics through various leadership volunteer activities

Work Experience

Aug 2017 - present

Head of Bridge Tutoring, University of Connecticut, (8 hours/week)

- Promoted to run academic tutoring offered to freshmen engineering students

Aug 2017 - present

Student Worker, UConn Engineering Diversity and Outreach Center, Storrs, CT, (10 hours/week)

July 2017 – August 2018

Head Tutor, UConn School of Engineering Bridge Program, Storrs, CT,

Intensive 5-week summer program to prepare underrepresented students in engineering fields for the rigor of engineering curriculum at UConn

- Lead program to mentor/tutor 99 incoming freshman engineering students in: Calculus, Physics, Chemistry, and Computer Science
- Directly responsible for leading and mentoring a team of 6 incoming engineering students
- Selected to serve as dedicated mentor to 2 students for the remainder of their academic careers

Winter 2017-2018

Mechanical Engineering Intern, Stantec, (40 hours/week)

- Transferred hand-drawn floor plans into AutoCAD
- Survey blueprints of buildings and calculated heat required for each room

Sept 2016 - present

Pre-Engineering Program Leader, University of Connecticut, (3 hours/week)

- Lead groups of 30+ local middle school students in designing engineering projects to encourage exploration of opportunities within the STEM field

Leadership Experience

Aug 2017 - present

Leader - UConn Engineering Bridge Mentor-Mentee Program

- Organize and facilitate monthly events to promote the bonding of current engineering freshmen with their upperclassmen mentors
- Conceptualized and organized a four day educational symposium for 40+ Bridge students to interact and network with Walt Disney World Engineers on site in Orlando, FL during spring break 2018

April 2018 - present

Vice President of Engineering Ambassadors External Affairs

- Responsible for establishing Presentation Team at the UConn Stamford branch and URI

April 2018 - present

Navy STEM Crew Officer, Engineering Ambassador

- Coordinate outreach events to promote Navy STEM field to primary, secondary, and college students
- Represent Navy STEM Crew to industry and government officials

MSE Senior

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Education

University of Connecticut, Storrs, CT

Bachelor of Science, Materials Science & Engineering, May 2019

GPA: x.x/4.0

Work Experience

Senior Design Project, Sponsored by UTC Pratt & Whitney

University of Connecticut Department of Material Science, *September 2018 - Present*

- Designing and evaluating recoater systems for powder bed additive manufacturing

Research Assistant, UConn Health Center

Jonathon Husky, Ph. D. - Biomedical Engineering, *August 2018 - Present*

- Contributing to a project building a medical device for esophageal reconstruction
- Analyzing parameters of silicon tubing and providing data analysis to aid in the design of the overall project

Research Intern, IBM Thomas J. Watson Research Center

Yorktown Heights, NY - *Healthcare and Life Sciences, May – August 2017, May – August 2018*

- Characterized, optimized, and integrated assay reagents using spectroscopic measurements with NanoDrop and SpectraMax Spectrophotometers in point of care diagnostic applications
- Conducted literature review and competitive landscape on healthcare sensors
- Followed BSL2 best laboratory practices for bio-experiments including the safe handling and disposal of biochemical agents
- Executed data and statistical analysis using Origin and Excel
- Conducted research on carbon dioxide sensors to analyze room occupancy

Materials Science & Engineering Laboratory Assistant, UConn School of Engineering

Jonathon Husky, *August 2017 – May 2018*

- Reviewed inventory of materials required to perform upcoming characterization labs to support student and research projects within the Department of Material Science Engineering
- Prepared materials and equipment for labs (furnaces, mechanical testing equipment, microscopes)

Activities

Society of Women Engineers, UConn School of Engineering

Treasurer, January 2017 – May 2018

- Hosted a Regional Society of Women Engineers Conference at UConn (Fall 2016), organized a trip to the International SWE Conference (October 2017), planned and ran weekly meetings as well as perform outreach events to gain young girls' interest in STEM

Director of Special Programs, August 2018 – Present

- Overseeing and supervising of the following officer positions: New Member, Outreach, and Mentor-Mentee

Material Advantage, UConn School of Engineering

Demonstration Presenter, General Body Member, Fall 2016-Present

Club Field Hockey, University of Connecticut

Member, Fall 2015 – Present

Volunteer Experience

Pre-Engineering Program, UConn School of Engineering

Classroom Assistant, September 2015 – April 2016

- Introduced 6th, 7th, and 8th graders to engineering fields and organized activities to teach them about science, technology, engineering and mathematics

Engineering Ambassadors, (Fall 2015-Spring 2017)

- Northeast Science Bowl
- Engineering Open House

Laboratory Skills

Proper imaging of sample on light microscope, polishing metals, etching, hot and cold mounting, cold rolling, tensile testing, hardness testing, impact testing, fatigue testing, SEM, XRD, familiar with FC150 Bonder and P7 Stylus Profiler

ELECTRICAL ENGINEER SOPHOMORE

123 Street || Town, CT 00000 || (123) 456-7890 || first.lastname@uconn.edu

EDUCATION

UNIVERSITY OF CONNECTICUT, Storrs, Connecticut
B.S.E. Candidate, Electrical Engineering, 2021

GPA: x.xx/4.00

WORK EXPERIENCE

ROSEMARY VANN, CPA Niantic, Connecticut
Administrative Assistant 6/2017-8/2017
Researched financial information, corresponded with clients and created and printed financial forms.

SHARON DUFRESNE AND ASSOCIATES TAX PREPARATION Old Lyme, Connecticut
Administrative Assistant 2/2016-4/2016
Organized files, recorded data and conducted research during tax season.

VOLUNTEER EXPERIENCE

ENGINEERING AMBASSADORS Storrs, Connecticut
Member 8/2017-Present
Support programs to encourage younger students to become interested in science, including setting up and demonstrating a 'Makey-Makey' controller to attendees for STEM Night and chaperoning groups of students during Science Olympiad and Science Bowl tournaments.

SOCIETY OF WOMEN ENGINEERS Storrs, Connecticut
New Member Officer 10/2017-Present
Chaperone students and lead a group in science experiments for "Multiplying Your Options," a program encouraging middle-school girls to pursue STEM careers. Organize and present meetings for new SWE members.

LYME-OLD LYME HIGH SCHOOL FIRST ROBOTICS TEAM Old Lyme, Connecticut
Member 8/2016-5/2017
Built tournament fields and guided teams for the FIRST LEGO League Tournament. Wired team robot for the FIRST Robotics Competition, which competed in national championships.

SKILLS AND ABILITIES

- SolidWorks Computer-Aided Design (intermediate)
- PSpice and basic circuit design (beginner)
- Python (beginner)
- Experience in using Arduino and electrical components to construct a semester-long school project
- Safely used heavy equipment to build robots and create woodworking projects
- Designed, prototyped and tested a miniature catapult

Chemical Engineering Junior

123-456-7890 // first.lastname@uconn.edu

Objective:

Junior Year Chemical Engineering student seeking internship experience utilizing organizational, communication, and manufacturing skills for the summer of 2019.

Education:

University of Connecticut Storrs, CT

Bachelor of Science in Engineering, Chemical Engineering, May 2020

Minor in Materials Science and Engineering, May 2020

GPA x.xx/4.00, Dean's List School of Engineering, New England Scholar Spring 2018

Housatonic Valley Regional High School Falls Village, CT

Work Experience:

Pratt and Whitney East Hartford, CT

Quality Manufacturing Engineering Intern; May 2018- August 2018

- Automated nonconforming part notification system by using excel macros in conjunction with Solumina to assist in the Hot Section Module Center goal of decreasing quality notifications and helping company- wide war on cost

University of Connecticut Undergraduate Teaching Assistant Storrs, CT

Introduction to Chemical Engineering TA; August 2018- December 2018

- Enhancing student's knowledge of fundamental concepts of chemical engineering by holding office hours and grading exams and homework to ensure that students in the class understand the building blocks of chemical engineering

University of Connecticut Quantitative Learning Center Storrs, CT

Chemistry Tutor; August 2017- present

- Tutoring students in chemistry by helping them work through and gain a deeper understanding of topics by explaining things from a new perspective to enhance their knowledge

Leadership and Activities:

Undergraduate Research Assistant Storrs, CT

Modeling Air Pollution Exposure for Cyclists; August 2018- present

- Working with Dr. Wagstrom's chemical engineering laboratory to model air pollution levels cyclists are exposed to throughout the United States by merging previously recorded data using Arc GIS and MATLAB in order to inform the public about safer bike routes and air pollution exposure

Society of Women Engineers Storrs, CT

Outreach Officer; September 2018 – present

- Supporting the UConn SWE section's outreach efforts by organizing volunteers, planning events, and reaching out to member of the student body to join our organization to empower young people and minorities to pursue STEM

BRIDGE Program Storrs, CT

Pre- engineering summer program; July 2016, Scholarship Recipient

- Went through intense 5 week summer program to prepare for first year of engineering by taking 4 introductory level classes during the summer and going on industry tours to explore engineering and enhance my own knowledge of chemical engineering

Skills:

Lean Manufacturing and ACE Principles, NMR and IR Chemical Analysis, Titrations, Chromatography, Distillations, MATLAB, Excel and Microsoft Outlook Suite, Basic Spanish