

# Mike Chen

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## EDUCATION

### **State University of New York Stony Brook**

*Bachelor of Engineering, Mechanical Engineering*

*University Scholar Program*

*GPA: 3.59/4.00*

*Stony Brook, NY*

*Graduation: May 2022*

## PROFESSIONAL EXPERIENCES

### **Sirina Fire Protection Corps.**

*Fire Protection Engineer*

*Garden City Park, NY*

*Jul 2022 - Present*

- Survey project sites to coordinate with other trades to ensure sprinkler piping system is ready for field installation
- Design and 3D coordinate sprinkler piping system on navisworks with other subcontractors while keeping design in compliance with NFPA 13; Create fire sprinkler shop drawings to be sent to the field for installation
- Review bulletins/addendum and provide change orders to estimator for potential cost impacts
- Attend coordination meetings to resolve design conflicts with design team and subcontractors
- Create RFIs to be sent to general contractor regarding code issues

### **UncommonGoods**

*Product Management Intern*

*Brooklyn, NY*

*Jul 2019 – Jan 2020*

- Produced strategies to product managers to improve mobile and desktop conversions, from browsing to the check-out funnel on the website; research resulted in an AB test that increased conversion rates by 10%
- Conducted comparative research of e-commerce membership programs to brainstorm new benefits
- Developed guidelines for Better To Give Program to adjust organizational nonprofit giving; conducted outreach to other socially conscious corporations; research resulted in a refocus of giving priorities to be implemented in 2020
- Created Excel model to analyze image and video data to determine key levers that drive conversion; research resulted in an AB test that increased conversions by 7%

### **Angel Advantage Center**

*Teacher's Assistant*

*Brooklyn, NY*

*Oct 2014- Jul 2018*

- Updated and reviewed student records on Microsoft Excel; identified students in need of further assistance and called parents to discuss a roadmap to strengthen students knowledge of a particular subject
- Provided individualized and group academic assistance to 200 students, leading to a substantial improvement in SAT scores
- Collaborated with other assistants to ensure students received continuity in assistance

## ENGINEERING EXPERIENCES

### **Solar Racing Team**

*Business Lead*

*Stony Brook, NY*

*Sept 2019- May 2022*

- Conducted outreach to corporations, alumni and members through release of newsletters and partnership package; resulting in increase engagement of up to 30 members actively participating in the club
- Created a timeline and assign tasks for mechanical members to ensure boat is fully functional for a test run by Dec 2021
- Managed inventory of shop and cooperate with treasurer to ensure purchases of material are necessary

### **Bioelectric Prosthetic Hand**

*Project Leader*

*Stony Brook, NY*

*Aug 2021 - May 2022*

- Designed an affordable 3D printed tendon-driven bio-electric prosthetic hand to allow user to gain mobility
- Organized weekly schedules and initiated meetings for engineers to complete vital deadlines
- Assigned work and facilitated communications between engineers

## SKILLS

Computer Skills: AutoCAD, SprinkCAD, HydraCAD, Microsoft Office, Google Suite, Arduino, SolidWorks, MATLAB, Fusion360 (CAD), Mockingbird, FullStory, SQL, Adobe Acrobat DC, Procore, Navisworks

Certifications: OSHA 30