Mae Hoad

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EDUCATION

CARNEGIE MELLON UNIVERSITY, Pittsburgh, PA **August 2018 – May 2022**
Bachelor of Science in Electrical and Computer Engineering — QPA: 3.66

RELEVANT COURSEWORK

Introduction to Computer Systems
Principles of Imperative Computation
Fundamentals of Programming & Computer Science
Concepts of Mathematics

LANGUAGE SKILLS

Beginner: Java, Python, C, Html, CSS, React

WORK & EXPERIENCE

Call Levels Singapore **June 2019 – August 2019**
Software Engineering Intern
- Developed Call Levels web based application using React and Firebase

Carnegie Mellon School of Computer Science Pittsburgh, PA **January 2019 – May 2019**
Fundamentals of Programming and Computer Science Teaching Assistant
- Teach fundamentals of computer science skills and problem solving in Python to over 100 students
- Lead recitations, review lectures, and small group help to further student understanding

Stevens Institute of Technology Hoboken, NJ **Summer 2017**
Electrical Engineering Intern
- Designed a robotic boat to in collaboration with Dr. Dov Kruger to traverse the Atlantic Ocean collecting waste
- Coded GPS and accelerometer with Arduino and experimented with designs in 3D printing

Centercourt Athletic Club Chatham, NJ **June 2016 – August 2018**
Tennis Coach
- Coached for 30 kids, ages 5-8, teaching the fundamentals of the game and piquing their interests in future activities

PROJECTS

Shot Tracker **November – December 2018**
- Created an archery application with feedback analysis and auto-scoring capabilities utilizing OpenCV library

NextUP Spotify Application **Fall 2018**
- Developed Spotify application with team that allows for group queuing based on user votes implementing React with Javascript and Html code for UI components and the Spotify API library with a Flask backend
- Awarded 3rd place in Carnegie Mellon Computer Science Hackathon

Sport Helmet Design to Mitigate Concussion **Summer 2017**
- Deepened understanding of impact mitigation, tissue deformation, inertial sensing and brain anatomy with biomedical classes at Stevens Institute of Technology
- Learning culminated in a helmet design utilizing brain imaging and impact tests to test elasticity and force

LEADERSHIP EXPERIENCE

Women In Electrical and Computer Engineering (WinECE) First Year Liaison **October 2018 – Present**
- Organize and direct efforts in communication with companies and women engineers to promote WinECE members in industry, with a specific focus on freshmen engagement

President of Women for Women International School Club **September 2016 – June 2018**
- Spread awareness about WfW International which provides aid and education to women in war-torn countries and fundraised $1100 in one term for the parent organization

ACTIVITIES

Robotics Club Quadcopter Team member **September 2018 – Present**
Carnegie Mellon Club Tennis Team Player **September 2018 – Present**
Society of Women Engineers Member **September 2018 – Present**
SDC Buggy Team Driver **September 2018 – Present**

AWARDS AND RECOGNITION

Carnegie Institute of Technology Dean's List **2019**
Awards of Excellence in English Summit High School **2018**
Overlook Art Exhibition Feature Painting **2016**