

Keely Wan

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EDUCATION

Cornell University

Ithaca, NY

College of Engineering; Bachelor of Science in Computer Science; GPA: 4.159

Expected May 2022

Courses: Object Oriented Programming, Discrete Structures, Data Structures and Functional Programming, Machine Learning, Computer System Organization, Multivariable Calculus, Linear Algebra, Basic Engineering Probability and Statistics, Intermediate Microeconomics Theory

Thomas Jefferson High School for Science and Technology

Alexandria, VA

Advanced Studies Diploma; GPA: 4.598

June 2018

Courses: Mobile App Development, Web App Development, Computer Vision

WORK EXPERIENCE

MITRE Corporation

McLean, VA

Cyber Intern

Summer 2019

- Developed a web application using MEAN Stack to generate network blueprints for multiple cloud service providers
- Practiced offensive cyber operations through tech sessions and live environments

Cornell University

Ithaca, NY

CS 2110 Consultant

Jan 2019 - Present

- Hosted weekly office hours to assist students with object oriented programming material
- Provided feedback and guidance to students on coding assignments, quizzes, and exams

Fairfax Collegiate

Reston, VA

Instructor

Summer 2018

- Led 3D printing, programming, robotics, and mathematics classes and interacted with parents to update them on student progress and content

PROJECTS/RESEARCH

MITRE Hacks: Developing a web game to educate users about MITRE's identity matching project

- Used React.js and Sockets to develop a multiplayer game to teach users the techniques utilized by programs to match online profiles

CU Autonomous Bicycle Team: Building a self-driving and self-navigating bicycle

- Worked with Robot Operating System to send messages between Arduino and Raspberry Pi
- Used Arduino and Raspberry Pi to rotate bike's front wheel as commanded

Mobile Web Senior Research: Using the Myo Gesture Control Armband as a presentation tool

- Utilized Myo Scripts to associate hand gestures with computer actions
- Integrated scripts with voice control drawing board to allow user to navigate between web pages and the presentation board

SKILLS

- **Languages:** Java, JavaScript, HTML, CSS, Python, R, C++, SQL
- **Frameworks/Libraries:** AngularJS, React.js, Express.js
- **Other:** Apache Kafka, MongoDB, GraphQL

ORGANIZATIONS

Association of Computer Science Undergraduates

Academic Officer

Oct 2018 - Present

- Organized educational events for students interested in computer science
- Led outreach events for prospective students to promote the computing opportunities available