MICHAEL WANG STUDENT

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Seeking internship opportunities in software development, with focuses in machine learning, data science, and full-stack development.

EDUCATION

University of California, Berkeley   2018 to Current
B.S. Electrical Engineering and Computer Science 2022
GPA: 4.00
Relevant Coursework: CS 61A (Structure and Interpretation of Computer Programs) , EE 16A (Designing Information Devices and Systems I), Math 53 (Multivariable Calculus)
Planned Coursework (Spring 2019): CS 61B (Data Structures), CS 70 (Discrete Mathematics and Probability Theory), EE 16B (Designing Information Devices and Systems II)

Aragon High School   2014 to 2018
GPA: 4.00 unweighted, 4.62 weighted, Valedictorian

PROJECTS

Rocky Stocks (Cal Hacks)   November 2018
Utilizes Blackrock's Aladdin API and News API to predict changes in stock performance by analyzing text data from global news publications. I designed the project and led the development, working on the Python back-end and Flask integration.

Maps (CS 61A)   Fall 2018
Constructs a Voronoi diagram visualization of Berkeley, with regions shaded by the predicted ratings of its restaurants (yellow for 5 stars, blue for 1 star) using machine learning and a Yelp restaurant dataset. Utilizes k-means algorithm and other data processing - includes supervised and unsupervised learning.

Scheme (CS 61A)   Fall 2018
An interpreter for the primitive language Scheme written in Python.

SKILLS

LANGUAGES: Python, Java, HTML, CSS, JavaScript, SQL
LIBRARIES/FRAMEWORKS: Tensorflow / Keras, React

AWARDS

National Merit Scholarship, *National Merit Scholarship Corporation*   2018

Siemens Research Competition Semifinalist, *Siemens Corporation*   2017
Top 400 students chosen from 2000 projects.

US Physics Olympiad Medalist, *American Association of Physics Teachers*   2016
Among top 100 competitors in the USAPhO. Qualified 3 years in a row.

American Mathematics Competition, *Mathematical Association of America*   2017
AMC 12 Distinguished Honor Roll (top 1%), 7x AMC Honor Roll (top 5%), 4 time AIME (American Invitational Mathematics Examination) qualifier

ACTIVITIES

EE 16A Course Staff, *Employee*   January 2019 to Current
Reader for EE 16A course at Berkeley. Also a lab intern volunteer for CS 61A.

Garcia Center for Polymers and Engineered Interfaces, *Researcher*   June 2017 to November 2017
Led a group in materials science/biology research, resulted in paper and a presentation at the Material Research Society symposium

SKT Lab, *Frontend Developer Intern*   June 2016 to August 2016
Helped design and develop http://sktlab.com/. Used HTML, CSS, PHP