GIANNA WU

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Education

POMONA COLLEGE | B.A. COMPUTER SCIENCE, MATHEMATICS | GPA 3.91   AUG. 2015 – MAY 2019
- Relevant Coursework: Data Structures, Fundamentals of Computer Science, Discrete Mathematics, Computability and Logic, Computational Neuroscience, Adv. Mathematical Biology, Probability, Computer Systems, Graph Algorithms and Application, Algorithms, Database Systems, Mathematical Analysis, Differential Equations, Artificial Intelligence, Programming Languages, Mathematical Modeling

SKILLS
- Go, Java, Python, SQL, MatLab, HTML/CSS, R (prior experience), C/C++ (prior experience), Rubygame (prior experience)

Professional Experience

JUNIOR SOFTWARE DEVELOPER, ATLASSIAN   SEPT 2019 – PRESENT
- Does backend development on the Platform-as-a-Service (PaaS) Engineering team, working on security and authentication for internal services.

DATA SCIENCE RESEARCH ASSISTANT, HARVEY MUDD COLLEGE   MAY 2018 – JULY 2018
- Developed a Python tool that takes data as input and uses Python packages, such as Scikit and Numpy, to run dimension-reduction algorithms to further understand the underlying variables in cell differentiation.
- The project was done under the guidance of Professor Lisette de Pillis and Dr. Jeho Park as part of an NSF funded summer research experience for undergraduates (REU)

DATA SPECIALIST, SCRIPPS COLLEGE   SEPT. 2017 – MAY 2018
- Used PHP and Wordpress to create web content for the official Scripps College website.

COMPUTER SCIENCE RESEARCH ASSISTANT, POMONA COLLEGE   JUN. 2017 – AUG. 2017
- Lead developer for a Java program to analyze temporal data based on Allen's Interval Algebra
- Produced visual representations of calculations using the open-source program, JFreeChart

COMPUTER SCIENCE MENTOR, POMONA COLLEGE   JAN. 2017 – PRESENT
- Proctor weekly mentor sessions and grades assignments for computer science students

Awards

PHI BETA KAPPA SOCIETY INDUCTEE | SPRING 2019
- Awarded to students who are of good moral character, and who are distinguished for breadth of culture and excellence of scholarship

3RD PLACE, ADVANCED CATEGORY | 5C SPRING HACKATHON 2016
- Created an interactive game in Rubygame to allow for real-time control of a virtual character using muscle and brain signals
- Built an electromyogram circuit (EMG) and rerouted an electroencephalogram (EEG) to an Arduino

BEST APP FOR SCALING HUMAN CONNECTIONS | 5C FALL HACKATHON 2015
- Developed a website using Instagram's API Platform, PHP, and MySQL to provide a visual guide for the dining hall menu

BRUCE JAY LEVY MEMORIAL PRIZE | FALL 2018
- Awarded annually to a student chosen by the Mathematics Department faculty for excellence in the field of mathematics

POMONA COLLEGE SCHOLAR OF DISTINCTION | FALL 2015, SPRING 2016, FALL 2016
- Awarded to students ranking in the top 25% of their class

CRC AWARD FOR EXCELLENCE IN GENERAL CHEMISTRY | SPRING 2016
- Awarded to the highest-ranking student in chemistry in the freshman class

Extracurricular Activities

DIRECTOR, CAMP KESEM AT THE CLAREMONT COLLEGES   AUG. 2016 – AUG. 2018
- Supervised a team of 12 student coordinators to plan and fundraise $25,000+ for a summer empowerment camp for children whose parents have cancer

VARSITY TRACK ATHLETE/CAPTAIN, POMONA-PITZER ATHLETICS   OCT. 2015 – APR. 2019