

Mai Ho

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Education

B.S. Joint Computer Science and Mathematics | May 2016 | Harvey Mudd College, Claremont, CA

- Cumulative GPA: 3.57, Major GPA: 3.63
- Relevant Coursework

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| ❖ Principles and Practices of Computer Science | ❖ Computer Systems |
| ❖ Discrete Mathematics | ❖ Computability and Logic |
| ❖ Data Structures and Program Development | ❖ Software Development (Fall 2014) |
| ❖ Statistical Linear Models in R | ❖ Programming Languages (Fall 2014) |

Skills

Programming/Scripting Languages: *Python*, C++, C, Java, HTML, CSS, Haskell, and LaTeX

Tools and Applications: Adobe Photoshop, R, Flask, Android development, Git, Subversion

Projects

Chirps

- Worked with a team of two others to create a mobile application called Chirps. Chirps is an events announcement application for the Claremont Colleges. Users are able to submit chirps through the mobile application, which then need to wait to be approved by an administrator. An administrator approves or rejects these chirps on a web interface that we created. Then users will be able to filter these chirps by category and follow chirps that they like. It was created to replace an existing system on Pomona College.
- Technologies used: Android development, Flask, Parse.com NoSQL database, Python, HTML, CSS, Javascript

Work Experience

Engineering Practicum Intern | Google, Inc. | 5/27/14 – 8/15/14

- Worked with another intern in the same program on the Flights Availability Engineering Productivity team. QPX, the search engine behind Google Flight search, uses Availability to store, calculate, and distribute flight schedule data and seat availability to satisfy millions of availability queries per second.
- Created a testing tool to automate the process of gathering availability queries from multiple sources, sampling them according to a fairness metric, and recording them in Google internal formats.
- Used technologies such as Python scripting, protocol buffers, SSTables, Dremel, and R.

Student Researcher | Harvey Mudd College CS Department | 6/08/13 – 8/16/13

- Worked with a team of other student researchers to create an online implementation of MyCS on EdX and educational videos that introduced basic CS concepts using a programming language called Scratch.
- Ran two workshops teaching CS concepts to local high school and middle school teachers, with little to no computer science experience, in Kauai, HI and Claremont, CA.

CS Grader and Tutor | Harvey Mudd College CS Department CS | 9/03/13 – CURRENT

- Tutoring students from all of the five colleges in the Claremont Colleges and graded their assignments and exams in the Introductory CS course and Advanced Data Structures course at Harvey Mudd College.

Leadership & Extracurricular Activities

W-ACM (Association for Computing Machinery Women's Chapter) – Vice-Chair

- Coordinate events with emphasis on technology and raising awareness about the lack of diversity in technical areas.

APISPAM (Asian Pacific-Islander Sponsor Program at Mudd) – Head Sponsor

- Lead a group of sponsors/mentors in mentoring incoming first-year students about challenges that they'll face coming to Harvey Mudd College, both as a first-year and as a person with an API background.

EPAIC (Exploring Pan-Asian Identity & Culture) – Social Media & Publicity Chair

- Organize events that aim to spread cultural awareness and publicize them to get as many people involved as possible.

Other Interests | Data Science - Artificial Intelligence - Education - Social Activism - History