

# ERINNA WOO

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## EDUCATION

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**Pomona College** *B.A., Computer Science* Claremont, CA  
GPA: 3.88/4.00 May 2018  
Top 25% of Class

**Pacific Collegiate School** Santa Cruz, CA  
GPA: 3.98/4.00 May 2014  
ACT: 34/36

## SKILLS & COURSEWORK

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*Proficient:* Java  
*Familiar:* Python, Prolog, SML, JavaScript, HTML  
*Tools:* Android Studio

*Coursework:* Data Structures, Algorithms, Computer Systems, Mobile Software Development, Discrete Mathematics, Semantic and Declarative Technologies

## SELECTED EXPERIENCES

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**CS052 Mentor (Fundamentals of CS), Pomona College CS Department** January 2017– Present  
◦ Lead mentor sessions to assist 90 students on problem sets and review theoretical concepts  
◦ Focus on positive encouragement and how to approach problems to prepare students for upper division classes

**Research Assistant, Glater Neuroscience Lab** January 2015– Present  
◦ Perform *C. elegans* behavioral choice assays and analyze videos to study neuronal circuitry of decision-making  
◦ Research software tools such as QuantWorm, ImageJ plugins, and WormTracker to implement them in the lab

**Teaching Assistant, Girls Who Code** June 2016– August 2016  
◦ Taught Python, C++/Arduinos, web development (HTML/CSS/JavaScript) and GitHub to girls with no coding experience  
◦ Managed the classroom dynamics and advised on all projects (websites, games and mobile applications)

**Software Engineering Intern, Giavaneers Inc.** June 2015– August 2015  
◦ Researched the html5 video tag to find a way to adapt to varying download bandwidth for uninterrupted video viewing  
◦ Presented my solution to the company, enhancing my coworkers' knowledge of the html5 video tag  
◦ Edited the trailer feature of iWonder by creating an embeddable player in JavaScript and adding an overlay feature

## PROJECTS *(View at <https://github.com/erinna-woo>)*

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**Igenem – Mobile Software Development Final Project** December 2016  
◦ A visual pro-con list Android mobile application that helps users make decisions. (*Java, Firebase, Android Studio*)

**Useless Machine – Independent** July 2016  
◦ Built a machine that turns itself off when turned on. First time experimenting with electronics and hardware.

**JustMyType – 5C Hackathon, 2<sup>nd</sup> Place Intermediate** April 2015  
◦ The typing game catered to you. Pulls headlines from the NYT based on a user-inputted keyword for users to practice their typing skills. (*JavaScript, CSS, JSON, Bootstrap*)

**ChirpChirp – 5C Hackathon** November 2014  
◦ A Google Chrome Extension that makes Pomona College's mascot continuously pop up. If our rival school Claremont McKenna College is searched, all images of the school are replaced with images of our mascot. (*JavaScript, HTML, JSON*)

## ACTIVITIES

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**Organizer of 5C Hackathon (Claremont Colleges)**  
◦ Manage \$16k+ budget, revamped expo to streamline presentations and increase attendee interaction and participation

### Asian American Mentor Program

- Support API/A students and organize workshops to increase activism through discussion and education