

Marina Haukness

Curriculum Vitae

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Education

- 2016–present **University of California, Santa Cruz**, *Masters of Science, Bioinformatics.*
2012–2016 **Harvey Mudd College**, *Bachelors of Science, Computer Science and Mathematics.*
Major GPA: 3.76, Overall GPA: 3.60. Dean's List all eligible semesters

Skills & Abilities

- Programming Languages C, C++, OBJECTIVE C, PYTHON, JAVA, JAVASCRIPT, HASKELL, RACKET, MATLAB
Software LATEX, MS OFFICE SUITE
Other skills iOS and Android mobile app development

Projects

- Aug 2015 – **Computer Science Senior Clinic Project**, HARVEY MUDD COLLEGE WITH OAKLEY, INC..
May 2016
 - Led the team as Project Manager by scheduling and leading meetings and teleconferences with the project liaisons
 - Developed and implemented algorithms for alignment of 3D meshes and key feature detection

Work Experience

- May 2015 – **Software Engineering Intern**, INSTAMED COMMUNICATIONS, LLC, Newport Beach, CA.
August 2015
 - Implemented Android pay and other encryption of payment information in mobile app
 - Made iOS app with proofs of concept using geofencing and BLE beacons
 - Designed a built a custom web form builder using ExtJS
 - Analyzed business competitors to inform development decisions and presented results

September 2013 – May 2016 **Grader / Tutor**, HARVEY MUDD COLLEGE, Claremont, CA.
2013 – May 2016
 - Tutored students and graded homework for various computer science classes
 - Worked as Head of Grading / Tutoring for Algorithms in Spring 2016 by working closely with the professors of the class to organize all grading

June 2014 – **Instructor**, ID TECH CAMPS, Stanford, CA.
August 2014
 - Taught week-long courses to groups of eight high-school students about C++ and Java
 - Directed and supervised children in planned and spontaneous activities

June 2013 – **Software Intern**, CASA MANAGER, Campbell, CA.
August 2013
 - Performed data transfers from an outdated database software to CASA Manager and optimized the process using JavaScript
 - Improved the user interface of the CASA Manager software

June 2012 – **Research Intern**, GREENE R&D INTERNATIONAL, INC., Los Gatos, CA.
August 2012
 - Designed and performed scientific experiments concerning quadrupole sound sources in a laboratory
 - Analyzed and communicated results of experiments to NASA through written reports and presentations
 - Developed and implemented a database in Microsoft Access for the company