

# Mariette Souppe

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## EDUCATION

### University of California, Santa Cruz

Master of Science in Computer Engineering  
Bachelor of Science in Computer Engineering

Expected Dec 2018  
Completed Jun 2016

### Las Positas College

Transfer Student in Computer Engineering

Transferred Dec 2014

## SKILLS

**Technical Skills:** Python, C, Java, HTML, CSS, Javascript

**Operating Systems:** Windows, \*nix, Ubuntu

**Other:** GIT, Terminal, IntelliJ, SaltStack, Django, MySQL, RESTful API, Django, FileZilla, PuTTY, JIRA

## EMPLOYMENT

### Cloud Automation Intern, Adobe Systems, Inc

May 2017 - Aug 2017

Developed an automated, on-demand installation of a user requested machine learning framework and operating system. Created a graphical user interface that uses the implemented back-end automation to automate the service. Services used were Django REST, MySQL, and SaltStack.

### Freelance Web Developer

Sep 2016 - Apr 2017

Developer and designer for web sites for local businesses. Created web compliant metadata for Search Engine Optimization (SEO) to increase traffic and enhance page ranking. Utilized contemporary design to create concise web sites for specific client needs. Site creation included use of HTML, CSS, JavaScript, Bootstrap, Adobe Photoshop and Illustrator.

### Teaching Assistant, Girls Who Code Summer Immersion Program

Jun 2016 - Aug 2016

Assisted in course instruction for summer immersion program introducing young women to the Computer Science/ Engineering industry, by means of programming fundamentals, including Python, Arduino Robotics, and web development with emphasis on HTML5, CSS, JavaScript and JQuery.

### Software Engineering Intern, Gorilla Branders

Apr 2015 - Aug 2015

Developed and maintained front-end solutions for sites and media platforms, including BLI.org, TheIncrease.com, and 2535Foundation.org, utilizing HTML5, CSS and Bootstrap to promote local business and charities.

## PROJECTS

### Distributed Hash Table Implementation

Oct 2017 - Dec 2017

Implemented a simple modified DHT, the Chord protocol, using C++. Furthermore displaying a Finger-table when a node joins the network, when keys that are migrated, and print sequences of nodes that get involved in the procedure.

### Weather Forecast

Aug 2016 - Sep 2016

Developed a Bootstrap mobile first web-app, displaying the current temperature forecast compared to the day before depending on a user's location, collected from a JSON Wunderground RESTful API.

### Autonomous Robot

Nov 2015 - Dec 2015

Designed, and implemented mechanical, electrical, and software solutions for a fully autonomous robot including navigation, and localization. Experience with state-machine development, and rapid prototyping on embedded C platform.

### Falling Tomato

May 2015

Designed and developed a graphical user interface that accessed the internal phone accelerometer data, as input into an Android mobile game. Programmed in Java for a tomato to overcome barriers and fall into a drain.

## ACTIVITIES

**Mathematics Tutor, Instructor**

Sep 2011 - Sep 2017

**UC Santa Cruz Sailing Club, Member**

Jan 2014 - Jun 2016

**Las Positas Physics and Astronomy Club, President**

Aug 2012 - Aug 2013