

# Aaron Kaloti

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## **EDUCATION:**

University of California, Davis

Master of Science, **Computer Science**, Sept 2018 - **Dec 2019** (Projected)

Bachelor of Science, **Computer Science**, Sept 2015 - June 2018

GPA: **3.79** / 4.00

## **SKILLS:**

**Much Experience:** C++, JavaScript (jQuery), Java, Python, R, C, HTML, Git, OOP, Unit/Functional/Regression Testing

**Some Experience:** MEAN, Django, Bootstrap, CSS, SQL, PHP, Android, Linux (scripting), Erlang

## **EXPERIENCE:**

**Software Engineering, Tools and Infrastructure Intern**, Google, Full-Time, June – September 2017

- Used C++ and database, cluster management, protocol buffer, client/server, and publisher/subscriber tools/APIs.
- Worked on regression (A/B) test infrastructure to test the effect of changes to a framework that converts changes in advertisement databases into input for a policy review decisions system.

**Research Assistant**, UC Davis, October 2017 – Current

- Improving accuracy of Persian digit classification approach applied to English digit classification.
- Worked on an R debugger. Translated from Python to R. Improved the usability of the tool and experimented with ways to make the tool friendlier/more approachable to beginners.
- Implemented an R wrapper package allowing use of C “curses” library through R.

**Teacher’s Assistant**, UC Davis, October – December 2017

- For undergraduate introductory programming class in Python.

## **SOLO PROJECTS (Open-Source):**

**Simplified Economic Model**, June 2016 – September 2016

- Used JavaScript, QUnit (for unit and integration test-driven development), and some AngularJS.
- User gives inputs (e.g. excise tax, tariff) and sees affected supply/demand graphs, by MVC pattern.

**2D Spacecraft Android Game**, December 2015 – April 2016

- Used Java and Android Studio. Implemented both game logic thread and multi-touch input thread.

## **GROUP PROJECTS:**

**Warcraft Website (Class Project)**, January – March 2017

- Used Django, JavaScript, HTML/CSS, and Git for a full-stack web development project on a team of 8.

## **LEADERSHIP/COMMUNICATION:**

**Vice President**, Computer Science Tutoring Club, October 2017 – Current

**Review Session Host**, October 2016 – December 2017

- Hosted **22** review sessions (7 as co-host) for undergraduate computer science courses.