Aaron Kaloti

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EDUCATION:

University of California, Davis

    Master of Science, **Computer Science**, *Starting* September 2018

    Bachelor of Science, **Computer Science**, 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.

Undergraduate Research Assistant, October 2017 – Current

- Examining approaches to detect image fraud. Main approaches of interest involve PCA and SVMs.
- Worked on an R debugger written in R. Improved the usability of the tool and experimented with ways to make the tool more friendly/approachable to beginners.
- Implemented an R wrapper package allowing use of C "curses" library through R.

Teacher's Assistant, 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 a bit of 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:

Co-Vice President, Computer Science Tutoring Club, October 2017 – June 2018

Review Session Host, October 2016 – December 2017

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