

# Aaron Kaloti

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## **EDUCATION:**

University of California, Davis

Master of Science, **Computer Science**

MS Start Date: **September 2018**

Bachelor of Science, **Computer Science**

BS End Date: **June 2018**

GPA: **3.824** / 4.000

## **SKILLS:**

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

**Some Experience:** MEAN, Django, SQL, PHP, Bootstrap, CSS, C, R, Android, Linux, MATLAB

## **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

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

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

- User gives inputs (e.g. excise tax, tariff) and is shown effects on supply and demand graphs
- JavaScript Model-View-Controller pattern to handle various settings (e.g. tax) given by the user
- Unit and integration test-driven development with QUnit (182 assertions over 34 files of test code)

**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 on a team of 8

## **LEADERSHIP:**

**Review Session Host**, October 2016 – Present

- So far, hosted **17** review sessions (6 as co-host), including 4 for an upper-division algorithms course
- Approximate audience sizes range from 15 to 90 people, with average of 40

## **OTHER:**

**Computer Science Tutor**, at most 3 hours/week, April 2016 – Present

**Undergraduate Research Assistant**, Mathematics Department, 8-12 hours/week, July – September 2016