Kevin Casey

(650) 391-6149 | kacasey@berkeley.edu | kacasey.me | github.com/Fortisque

Experience

Facebook – *Senior Software Engineer* **June 2016 – Present**

- Worked on Internal Tools at Facebook for a little under 7 years, tracking metrics for Mobile Performance and Reliability Engineering.
- Main developer to prove the usefulness of Call Graphs for Performance analysis which we later patented (10365905)
- Full stack developer, featuring walking customers through performance regressions, python trace processing, SQL optimizations for both storage and speed, UI in D3 of distributions, gantt, icicle.
- Core team member for 2 years on the open source Android library profilo, featuring python to unwind stacks for OS 9, and C++/Java to gather performance data from android phones.
- Mentored a total of 3 summer interns, and 6 new hires, as well as advised newer team members
- 2 years on visualizations for Reliability metrics, featuring driving alignment on how to measure metrics, solving strategic ownership of organizations, data analysis, SQL and heatmap visualizations.
- Typically worked on 1-3 months long projects, in conjunction with a designer and figuring out business needs from other Facebook employees. Innumerable times, prioritized customer needs to drive these tools from ~5 DAU to ~300 DAU.

Facebook – *Software Engineering Intern* **Summer 2015**

- Worked on the iOS News Feed Team
- Improved the offline capabilities of all table/collection views in Facebook iOS

CS169 Software Engineering – *Graduate Student Instructor* **September 2014 – May 2015**

- Taught CS169 at Berkeley. Lead discussions sections, weekly team meetings and created tutorials
- Mentored 7 teams of 4-6 people with Node, Django, Rails, iOS, Android and HTML by discussing best practices, bugs and team decisions

GoDaddy - *Software Engineering Intern* **Summer 2014**

- Developed on the Online Store product built on top of Spree in Ruby on Rails

School Projects

studywithme - https://github.com/Fortisque/studywithme **October 25th, 2014**

- Built a native iOS app designed to allow students to find and create relevant study groups
- Launched the app (temporarily until graduation) on Apple App Store under UC Berkeley name

Build it Break it Fix it **September 2014**

- 1st place winner in security hackathon.
- Used AES encryption, a magic, a MAC in the form of sha256 hash and a JSON "database"

Pacman Contest – CS188 Artificial Intelligence **Spring 2014**

- 1st place winner in a contest of multi agent competitive capture the flag. Python.
- Utilized MST approximation to cluster food pellets (flags) and dynamic programming in order to compute a trap table on startup to assist in choosing the best moves.

Education

University of California, Berkeley **B.S. May 2016**
Major: Electrical Engineering and Computer Science **GPA:** 3.86
Relevant Coursework: Software Engineering, Artificial Intelligence, Machine Learning, Computer Security, Algorithms, Operating Systems, Databases, Networking, Macintosh Developers, Mobile Entrepreneurship

Skills

Programming Languages – Javascript, Python, HTML, CSS, Ruby, Objective C, C++, Java
Frameworks – GraphQL, React, D3, Presto SQL, MySQL, Recoil/Redux, Rails, Django, Google App Engine