

Aleksandr Kamko

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> Education

University of California, Berkeley (Fall 2012 - Present)

BS Electrical Engineering and Computer Science, expected May 2016 (GPA: 3.5)

> Skills

Proficient in: Python, Java, Javascript, Golang, git, GitHub, vim

Experience in: Flask, Django, Ruby/Rails, PHP (Hack), C, C++, iOS/Objective-C, SQL, VimL, bash, mercurial

Exposure to: Node.js, Jenkins

> Experience

- Identity Team Intern @ Twitch (Summer 2015)

+ Launched new, secure OpenID authentication portal. Designed and implemented standalone Golang tools for configs and i18n.

- Language Technology Team Intern @ Facebook (Summer 2014)

+ Analyzed large data sets of out-of-vocabularies (OOVs) in translation requests; developed web interface to flag and eliminate OOVs.

- Undergrad Student Instructor @ CS162 [Operating Systems] & CS61B [Data Structures] (Fall 2014 - Present)

+ TA for intro course and OS course. Teach sections/labs, hold office hours, lead review sessions, develop section and test material.

- Facebook University iOS Intern @ Facebook (Summer 2013)

+ Led a team of 3 in building an iOS application. Built two standalone iOS apps and a web app at company-held hackathons.

> Selected Projects

- RE-volv.org [Django, PayPal] ([demo: revolv-prod.herokuapp.com](http://demo:revolv-prod.herokuapp.com))

+ Django web app for RE-volv, a non-profit for crowd-sourced, revolving solar energy funding. (TBA launch at beta.re-volv.org)

- Alpha-Beta Pruning Algorithm Visualizer [D3, Angular] ([demo: alphabeta.alekskamko.com](http://d3+angular.alpha-beta-pruning-visualizer.herokuapp.com))

+ D3+Angular web app for visualizing and understanding the Alpha-Beta Pruning algorithm. Proved quite helpful to my 61B students.

- Resistor Reader [Android] ([source: github.com/aykamko/ResistorReader](https://github.com/aykamko/ResistorReader))

+ User-friendly Android app for identifying resistor values. First mobile app. Available on Google Play store for free.

- V1 of www.uguru.me [Flask, Postgres]

+ Developed core Flask backend for V1. Oversaw production Postgres DB, resolved daily bug reports, actively delivered new features.

- Bump [iOS, HTML5, Node.js, MongoDB] ([source: github.com/aykamko/Bump](https://github.com/aykamko/Bump))

+ iOS app and HTML5 app that allow two users to add one another on Facebook by bumping their phones together.

- Traquest [iOS, Parse, Facebook SDK, Google Maps SDK]

+ iOS app that adds tracking to FB events while respecting user privacy. Developed over summer in Facebook University program.

> Leadership

- Innovative Design Web Tier Leader (Fall 2014) (innovativedesign.club)

+ Led a team of 6 developers and designers in improving web sites and brands for on-campus organizations.

- Blueprint VP of Tech (Fall 2015) (calblueprint.org)

+ Maintain and develop calblueprint.org and other internal tools. Code review changes to Blueprint projects. Advise project leaders.