

Ky-Cuong Huynh

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kycode.me

EDUCATION

University of California, Los Angeles

B.S. in Computer Science
Expected graduation:
December 2017
Cum. GPA: 3.07

LINKS

GitHub:// [KyCodeHuynh](#)
LinkedIn:// [KyCuong](#)
Twitter:// [KyCodeHuynh](#)

SKILLS

Programming

Proficient:

Ruby • C++ • LaTeX

Moderate:

Rails • C

Shell • Python

Basic:

HTML/CSS/JS • Java

SQL • OCaml

Methodologies

OOP • Functional

TDD • Agile/Scrum

Tools

Git • Docker • Vim

Travis CI • Munki

DeployStudio

Platforms

Amazon Web Services (AWS)

DigitalOcean • Heroku

Arduino • WordPress

COURSEWORK

Data Structures & Algorithms

Scalable Internet Services

Programming Languages

Computer Networking

Operating Systems

Database Systems

Computer Security

Corporate Finance

Product Strategy

Microeconomics

EXPERIENCE

Stripe Software Engineering Intern

June 2017 - September 2017

- Implemented a health advisor platform to surface systemic reliability risks in services and teams, prioritized by severity, and linked to remediation advice.
- Wrote automated checks to programmatically grade infrastructure health.
- Drove discussions to build a cross-team consensus on functionality and app architecture.
- Designed and coded a RESTful API using Sinatra for internal app integration.

AppFolio Software Engineering Intern

June 2016 - September 2016

- Developed new mass texting features for AppFolio Property Manager using Ruby on Rails, RubyMine, and TeamCity. Integrated with an Agile, cross-functional team and practiced test-driven development.
- Drove research and architecture work to scale mass text messaging beyond Twilio quota limitations.
- Analyzed and solved a race condition in cross-app Twilio usage to significantly reduce operating costs.

Association for Computing Machinery Hack Officer and Director

May 2016 - Present

- Founded and directed UCLA Capture the Flag (CTF), a cybersecurity competition for 70+ students. Managed a team of 14 organizers across 3 student organizations. Negotiated \$1,000 in corporate sponsorships.
 - Founded and directed ACM Hack School, a quarter-long bootcamp in full-stack JavaScript for 150+ students. Designed curriculum and recruited a team of 7 teachers.
 - Managed 6 interns, including career-coaching, resolution of interpersonal conflicts, and interview preparation. 5/6 landed summer internships.
 - Honored by the international ACM organization with the Outstanding Chapter Activities award. Selected out of 680 student chapters globally.
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PROJECTS

GPS Assassins May 2017

- Created a RESTful API backend using Sinatra for a multiplayer mobile game. Served as back-end lead for team of 5.
- Stored GPS coordinate data in Postgres and deployed atop Heroku.

Lightning Web Server March 2017

- Architected and implemented a multi-threaded HTTP webserver in C++11. Lightning supports reverse-proxy functionality, static file serving, and Markdown rendering.
- Practiced modern software engineering best practices as part of a team of 3. Examples: continuous integration, unit and integration tests, test coverage reporting, code review, and git hygiene + submodules.
- Built and deployed using Docker containers on AWS.