

Stanley Kwong

2741 Dwight Avenue, Apt J, Berkeley, CA 94704
650-922-9248

stan.kwong@berkeley.edu
linkedin.com/in/kwongstanley
http://stankwong.me

Education

University of California, Berkeley. Class of 2018.
B.A. **Computer Science**. Major GPA: **3.62**

Coursework

- Operating Systems (in progress)
- Computer Security (in progress)
- Internet Architecture (in progress)
- Efficient Algorithms and Intractable Problems
- Machine Structures
- Data Structures and Algorithms
- Discrete Mathematics and Probability Theory
- Structure and Interpretation of Computer Programs

Experience

Cyanogen – *Software Engineering Intern* June 2016 – August 2016

- Designed and wrote a lightweight, scalable backend service which aggregates and handles all push notification traffic between client devices and services and will replace the current push notification scheme in upcoming projects
- Written in Java with a strong emphasis on non-blocking concurrency to asynchronously process HTTP requests on the API layer and read/writes in the data access layer (Cassandra). Heavily leveraged the Vert.x Core and Java Future libraries
- Leveraged Amazon Elastic MapReduce to clear out some data in Cassandra database – using a Spark Cassandra library, wrote a Spark job on a Zeppelin interpreter to delete inactive user accounts
- Improved existing authentication service by comparing old password hashes to new password reset requests, ensuring that passwords are never reused

Ryde – *Software Engineer* October 2015 – present

- Began as member of founding development team to prove out concept
- Integrated a secure payment system (Stripe, Braintree) with a peer-to-peer marketplace – processed over \$11,000 as of August 2016
- Designed and implemented the backend infrastructure and APIs (Nodejs, Expressjs)
- Set up storage and deployment services (AWS EC2/S3/Elastic Beanstalk)
- Built the MVP web app, featuring an instant messaging interface and Firebase Auth (Angular, Firebase)

Organizations

Innovative Design – *Member, Web Dev Tier* February 2016 – present

- Led a workshop on the basics of web development by designing and deploying a static portfolio website in under an hour, emphasizing material design
- Create full-stack websites as per other school organizations' requests (React, Redux), featuring mainly blogs and galleries

Skills

Programming: Java, JavaScript, Python, C

Frameworks: AngularJS, Nodejs, Expressjs, Vertx, Django, React, Redux, jQuery

Services: AWS S3/EC2/Elastic Beanstalk/EMR, Firebase Cloud Messaging/Storage/Auth, Stripe, Braintree

Other: Cassandra, Redis, OpenTSDB

Interests: Concurrency, distributed systems, security, networks, tech T-shirts, singing, Smash