# Stanley Kwong

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## 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)
- 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 – present

- Designing and building a backend service called "Aviato" which aggregates all push notification traffic from Firebase Cloud Messaging to existing services. Strong emphasis on concurrent, asynchronous processing across a distributed system (Vert.x, Cassandra).
- 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 adding another layer of complexity to the password reset scheme (Vert.x)

**Ryde –** *Software Engineer*                                                   October 2015 – present

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

**Fyber –** *Solutions Engineering Intern*                                       June 2015 – August 2015

- Reviewed publishers' native iOS/Android and Unity applications to ensure our monetization software was integrated correctly by examining debug logs and web traffic
- Wrote a log parser that cut time of the above process by 50%, using a Python regex module
- Managed publisher accounts to address technical concerns and issues

## 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)

## 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