

Experience

Data Mining & Search Intern, Yelp

Sep. to Dec. 2017

- Optimized Yelp Business & User review search; worked with Yelp's Elastic Search instances and cluster distribution.
- Recency of results improved by 40%.
- Search times reduced from 2 seconds to under 0.5s.

Site Reliability Engineering Intern, Mailchimp

Jun. to Sep. 2017

- Built a realtime notification system for Mailchimp's deployment pipeline.
- Notifications captured shipment failures; errors captured across Travis-CI, Docker & Github environments.
- Shipment failure frequency visualized on top of Mailchimp's Graphite clusters.
- Wrote a automation script for Mailchimp's user-data-extraction tools.

Co-Founder, Gradfire

Jun. 2015 to Jan. 2017

- Crowdsource students transcripts for effective higher-education course selection.
- 4500+ registered students & more than 3,000,000+ visits.
- PySpark used for personalized course curation, ReactJS frontend, PSQL/Flask backend & middleware.
- Joined the Citris Foundry Accelerator at Haas School of Business, UC Berkeley.

Security Engineering Intern, Bitglass

Jun. to Sep. 2016

- Contributed to a CASB (Cloud Access Security Broker) solution for all custom-developed Salesforce applications.
- Identified API footprints to effectively decrypt and encrypt client data.

Software Engineering Intern, XiQ

Aug. to Dec. 2015

- Introduced IBM's Bluemix PaaS to pre-existing XiQ API.
- Watson's Discovery & Conversation utilities embedded to introduce more content interpretations.
- APIs were serviced more by XiQ customers.

Product Engineering Intern, CK12 Foundation

2010 to 2014

- Designed the 1.0 iOS application via Illustrator.
- Developed an Android application to gamify their educational content.
- Built a suite of QA tools to simplify resource citations for content creators and authors.

Highlighted Projects

[Dojo](#), the underground social network

- Clustered social content based on location and interest.
- Objective-C & Swift for iOS, Django & React full web-stack, PHP backbone for API.

[Wolfio](#), solve any math problem via SMS

- Solve any math problem, from simple arithmetic to multivariable calculus via SMS.
- Twilio-Flask supported routes, 20 mathematical services built on top of Wolfram Cloud API.

[Rap AI](#), generate new songs for any artist

- Markov modeling used to extract lyrical patterns.
- Python pronounce for rhyme scheming, ReactJS used for autocomplete search and YouTube API integration.

[Shape Language](#), shape detection on touchscreens, HackDavis winner

- Python used to capture touch gestures; OpenCV interprets coordinate datasets; SciKitLearn added for quick learning

Education

B.S. in Computer Science at the University of California Davis. exp. graduation 2018 · Eagle Scout Boy Scouts of America

Tools & Languages

Ruby · Rails · Resque · Django/Flask · React · Backbone · Node · Webpack · Babel · TravisCI · Jenkins · Phan · SQL · PSQL · MySQL · PHP · Phake/
Hamcrest Java · C/C++ · Sketch · Git · AI · AWS · Jekyll · Python · Elastic Search