#### Email Website Github

# **Experience**

Google, Software Engineering Intern.

June 2018 - September 2018

- Joined the Google Hardware data services team; responsible for building the Seasonal Savings assistant for Nest devices. The service promotes more affordable energy bills while ensuring comfort in your household.
- II. Deliverable was an automation framework that ensured all Nest devices in a household would shift device state to oblige by energy consumption guidelines.
- III. Rewrote Nest's network handler framework, previously in Scala, to Google's legal network language, Java.

#### Yelp, Data Mining & Search Intern.

September 2017 - January 2018

- I. Optimized Yelp Business & User review search; worked with Yelp's Elastic Search instances and cluster distribution.
- II. Interfaced with Distributed Systems & Content Understanding teams to re-distribute over 100M+ reviews across.
- III. Recency of results improved by 40%. Search times reduced from 2 seconds to under 0.5s.

# Mailchimp, Site Reliability Engineering Intern.

June 2017 - September 2017

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

#### Gradfire, Co-Founder & Application Engineer.

June 2015 - August 2017

- I. Crowdsource students transcripts for effective higher-education course selection. PySpark used for personalized course curation, ReactJS frontend, PSQL/Flask backend & middleware.
- II. 5K+ registered students & more than 3M+ visits. Joined the Citris Foundry Accelerator at Haas School of Business, UC Berkeley.

Bitglass, Security Engineering Intern.

June 2016 - September 2016

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

# **Highlighted Projects**

Wolfio, solve any math problem, from arithmetic to multivariable calculus, via SMS.

Twilio-Flask supported routes, 20 mathematical services built on top of Wolfram Cloud API.

Ballmetric, stream any play from the NBA, organized by player, shot type and distance.

I. Ruby on Rails (app), PSQL (db), ReactJS (frontend) Rubyresque catalogued private NBA streams, cached with Redis.

Dojo, social content clustered by location & interest.

I. Objective-C & Swift for iOS, Django & React full web-stack, PHP backbone for API.

Shape Language, shape detection on Synaptics touch board (HackDavis winner).

I. Python captured touch gestures; OpenCV interprets coordinate datasets; SciKitLearn added for shape learning.

# Education

- I. Bachelors of Science in Computer Science at the University of California, Davis expected to graduate 2018.
- II. Pursuing an Integrated Masters in Computer Science at the University of California, Davis TBD.
- III. Eagle Scout Rank of the Boy Scouts of America