Minu Palaniappan

408.876.0493

Email · Website · Github

Experience

Yelp, Data Mining & Search Intern.

- 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.

Mailchimp, Site Reliability Engineering Intern.

- 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.
- Wrote a automation script for Mailchimp's user-data-extraction tools.

Gradfire, Co-Founder & Application Engineer.

- Crowdsource students transcripts for effective higher-education course selection.
- 5K+ registered students & more than 3M+ 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.

Bitglass, Security Engineering Intern.

- 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.

CK-12 Foundation, Product Engineering Intern.

- 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

Wolfio, solve any math problem (arithmetic to multivariable calculus) via SMS.
A. 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.
B. Ruby on Rails (app), PSQL (db), ReactJS (frontend) Ruby-resque catalogued private NBA streams, cached with Redis

Dojo, social content clustered by location & interest.
C. Objective-C & Swift for iOS, Django & React full web-stack, PHP backbone for API.

Rap.ai, generate new songs for any artist.
D. Markov models used to identify lyrical patterns. Py-pronounce generates rhymes, ReactJS for autocomplete search.

Shape Language, shape detection on Synaptics touch board (HackDavis winner).
E. Python captured touch gestures; OpenCV interprets coordinate datasets; SciKitLearn added for shape learning.

Education

- Bachelors of Science in Computer Science at the University of California, Davis
- Eagle Scout Rank of the Boy Scouts of America

Tools & Languages

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