

Experience

minupalaniappan.com

Data Mining & Engineering Intern, Yelp

Sep. to Dec. 2017

Optimizing Yelp Review search by **cutting load times in half** and **reformulating how reviews are ranked** on Yelp Business & User pages.

Site Reliability Engineering Intern, Mailchimp

Jun. to Sep. 2017

Built a notification system for Mailchimp's single deployment platform. **Notifications captured all deployer (Travis-CI, Docker ext.) actions**. Notifications were visualized using a large Graphite cluster. Additionally, I developed a platform to **automate Mailchimp's user-management scripts**.

Co-Founder, Gradfire

Jun. 2015 to Jan. 2017

Gradfire is the first platform to **crowdsource students transcripts** for effortless and effective higher-education course selection. Currently, the platform has **4500+ registered students, with more than 1,000,000 visits**. PySpark used for personalized course curation. Joined the Citris Foundry Accelerator at Haas School of Business, UC Berkeley.

Software Engineering Intern, Bitglass

Jun. to Sep. 2016

Worked on 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. Specifically used Watson's Discovery & Conversation utilities to introduce more content pipelines; **API's accuracy improved significantly**.

Software Engineering Intern, CK12 Foundation

2010 to 2014

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

Highlighted Projects

github.com/minupalaniappan

Dojo

An underground social network that clustered content based on location and interest. iOS and Web platforms supported. Obj-C & Swift powered native iOS app. Django & React used to build web client. PHP served as core API service for both platforms.

Wolfio

Solve any math problem, from simple arithmetic to multivariable calculus via SMS. Twilio-Flask framework used to route text message requests. Custom equation APIs written using Wolfram Cloud. Over 20 services written to support everything from simple arithmetic to multivariable calculus.

Rap AI

Generate new lyrics for an artist based on previous songs. **Markov modeling used for lyric generation & Python pronounce for accurate rhyme scheming**. React JS used for autocomplete search and YouTube API integration.

Shape Language

HACKATHON WINNER

1st place overall at Hack Davis. Draw a shape on a touchpad, and it will vocalize it. Wrote a Python script that registered movements on Synaptics touchpad. Then used OpenCV to collect coordinate datasets. SciKitLearn used to interpret coordinate sets and classify data as different shapes.

[View 6 more projects](#)

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 · PSQ · MySQL · PHP · Phake/Hamcrest Java · C/C++ · Sketch · Git · AI · AWS · Jekyll · Python · Elastic Search