

## Experience

[minupalaniappan.com](http://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](https://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 · PSQL · MySQL · PHP · Phake/ Hamcrest Java · C/C++ · Sketch · Git · AI · AWS · Jekyll · Python · Elastic Search