

Links

- I. m spal@ucdavis.edu
- II. github.com/minupalaniappan
- III. minupalaniappan.com

Education & Awards

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

Experience

- I. **Site Reliability Engineering Intern, Mailchimp** Jun. to Sep. 2017
Built a notification system for Mailchimp's single deployment platform. Notifications capture all deployer (Travis-CI, Docker ext.) actions. Notifications are then visualized using a large Graphite cluster. Additionally, I developed a platform to automate Mailchimp's user-management scripts.
- II. **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. PySpark used for personalized course curation. Joined the Citris Foundry Accelerator at Haas School of Business, UC Berkeley. Currently, the platform has 4500+ registered students, with more than 45,000 visits.
- III. **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.
- IV. **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.
- V. **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.

Projects

- I. **Dojo** An underground social network that clustered content based on location and interest.
- II. **Wolfio** Solve any math problem, from simple arithmetic to multivariable calculus via SMS.
- III. **Rapthatbeat** A search engine for all song instrumentals.
- IV. **Ballmetric** Find all video clips of NBA plays broken down by player, shot type and distance.
- V. **Emojistream** Facebook bot that translates your texts into emojis.
- VI. **Shape Language** 1st place overall at Hack Davis. Draw a shape on a touchpad, and it will vocalize it.
- VII. **Keynote Stash** A collection of the greatest keynote speeches & talks.
- VIII. **Drakify** Generate a music video timestamp for when a lyric is spoken.
- IX. **Migo** A search engine for philanthropy events near you.
- X. **Rap AI** Generate new lyrics for an artist based on previous songs.

Skills

- I. Ruby · Rails · Sinatra · Resque · Rack
- II. Python · Django/Flask · SciKit · BS3 · CV · PySpark
- III. JS · React · Backbone · Node · Redux · D3
- IV. TravisCL · Webpack · Babel · Jenkins · Phan
- V. SQL · PSQL · MySQL · PHP · Phake · Hamcrest
- VI. Java · C · C++ · Prolog · LISP
- VII. Sketch · Git · AI · Heroku · AWS · Jekyll

Relevant Coursework

- I. Algorithm Design · Data Structures · OOP
- II. Computer Architecture · Assembly/Machine
- III. Discrete Math · Abstract Math · Linear Algebra
- IV. Matlab · Scientific Computation · Matrix decomp.
- V. Independent study · Ethics in Tech · Tech Seminar
- VI. Bioinformatics