

Joe Rowley

joe@funk.dog

joerowley.net
linkedin.com/in/joerowley

Education

BS, Computer Engineering, BA, Computer Science
University of California, Santa Cruz

Fall 2015

Software Experience

AgileMD

- *Software Engineer, Integration Lead*

February 2018 – June 2018

- Built IE8 compatible modern full stack web applications with unit tests.
 - Node, Es6, React, Mocha, Sass, AWS Aurora (Postgres), MongoDB
- Developed a serverless idempotent data ingestion platform
 - AWS Lambda, AWS SAM, Python, Node, AWS Aurora (Postgres), MongoDB

Integrated Healthcare Association

- *Full Stack Web Engineer / Generalist*

February 2016 – January 2018

- Built data reporting portal for monitoring physician level progress across multiple large health organizations.
 - Django, React/Redux/Highcharts, Postgres on RDS, Ansible on AWS EC2
 - Data ingestion and report generation using Pandas
- Cost Atlas: Worked with another developer to create tool for visualizing health quality and cost disparities across California.
 - Flask, React/Alt.js/Highcharts, Pandas, Numpy, Fabric

University of California, Santa Cruz

- *Undergraduate Thesis*

March 2015 – December 2015

- Created a web application that predicts the ideal heparin dosage using existing models.
- Conducted a study to determine the feasibility of using a statistical drug dosing tool in a mock clinical setting.
 - Angular JS, D3.js, Python, Flask, Postgres, SQLAlchemy, Scikit-learn.

Sana, MIT

- *Developer, Educator*

February 2014 – October 2014

- Developed the Sana Protocol Builder, a web application that allows clinicians to create medical algorithms that run on community health workers' smartphones in rural and low resource environments.
- Lectured with a group from MIT at Vellore institute of Technology in India about the Sana medical platform, and web application engineering to undergraduates.

Side-Projects

Strava Song Syncer

- I love running and I love music, so I built an app to automatically keep track of what songs I listen to while I run.
- AWS lambda (Zappa), React, Redux, Flask, Dynamodb

Gadcalc

- Developed a gadolinium contrast agent dosage calculator for technicians and medical doctors.
- Built in Angular.js and Bootstrap.

Awards

Ira and Kate Pohl Computers and Society Award

May 2015

- Ira and Kate Pohl scholarship is to recognize and support outstanding undergraduate students who are committed to using computer science for social good.