SYD
STRZEMPKO

1310 SINGLETON AVE. B
AUSTIN, TX 78702
+1 (508) 361 3887
SYD.STRZEMPKO@GMAIL.COM

EDUCATION

TUFTS UNIVERSITY, Medford, MA

2018 **B.A., Computer Science**

EXPERIENCE

PRODUCT TEAM, FULCRUMPRO INC.

2020-2021 ***Software Engineer***

- Aggregated, transformed, and projected RxJS observables from numerous endpoints into component-specific response streams
- Implemented asynchronous DB LINQ queries on endpoints to efficiently fetch multiple data sources for response
- Integrated PM feedback to create polished, flexible UI components

PRODUCT TEAM, AUNT BERTHA

2020-2020 ***Full Stack Developer***

- Utilized custom time-bounded digest decorator on API endpoint to aggregate requests into a standardized response behavior
- Architecture reviewed, gathered feedback on, and implemented new relational DB architecture to expand business logic insight
- Debugged crucial email-embedded CSRF token workflow for single-use update links provided for clients

PRODUCT WORKFLOW TEAM, YONDER

2019-2020 ***Full Stack Developer***

- Wrote and standardized CRUD API operations across services
- Wrote complex SQL queries and upsertions to aggregate analytics data and move their output between databases
- Performed Alembic database migrations to modify existing tables, create new tables, and define foreignkey/backref relationships
- Constructed frontend dashboards and charts to display data
- Implemented parameterized testing; populated local databases, mocked M2M request responses and authorization decorators

LOBBYVIEW DATABASE, MIT DEPT. POLITICAL SCIENCE

2017-2018 ***Full Stack Developer***

- Spearheaded the design of a new website with new query filters, word-parsing n-gram cloud visualization
- Overhauled dependency management, Gulp build process, and Angular component architecture
- Upgraded ElasticSearch version; Rebuilt custom query functions

COLOR COMMONS, NEW AMERICAN PUBLIC ART

2017-2017 ***Open Source-ror (Full Stack Developer)***

- Built and managed RESTful API architecture for a public art installation on the Boston Greenway
- Developed filtered visualization of frequency of user SMS requests using D3 sunburst visualization

SKILLS

Languages
Python
SQL
Javascript/Typescript
C
C++
Java

Web App Frameworks
Flask
Tornado
Express
Node.js
.NET

Frontend Frameworks
React
Angular
Vue

Servers/Platforms
NGINX
Jenkins
Docker

Databases/Hosting
AWS (S3, EC2)
Snowflake

Testing/Debuggers
pytest, unittest
jest
circleCI
DDB/GDB
cProfile

PROJECTS/COURSEWORK

Neural Network, *Self-Directed*

- Built a web app to support an interactive tensorflow-framework neural network classifier
- Used a trained model against canvas input to predict digits drawn by the user

IBK v J48 Classification, *Intro to Machine Learning*

- Demonstrated iterable kNN and decision tree learning on multi-feature classification sets
- Graphed best test set accuracy as a product of variation in features vs train set size