

# SYD STRZEMPKO

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## EDUCATION

TUFTS UNIVERSITY, Medford, MA

2018 B.S., Computer Science

## EXPERIENCE

### INSTALL TRACKER TEAM, SUNPOWER CORP.

#### 2022-2024 Full Stack Software Engineer

- Built out new feature API and UI framework, communicated with PM and cross-team developers to establish new data entity expectations
- Integrated AWS Chat Client into app to improve and track customer intermediary feedback/troubleshooting
- Leveraged Google Analytics GA4 custom dimensions and created explorations to garner insight into customer activity

### 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 output between databases
- Performed Alembic database migrations to modify existing tables, create new tables, and define foreign-key/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

## 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

## SKILLS

### Languages

Javascript/Typescript  
Python  
SQL  
Ruby  
C++

### Frontend Frameworks

React  
Angular  
Vue

### Web App Frameworks

Node.js, Express  
Flask, Tornado  
Rails  
.NET

### Development Tools

Git/Github  
Postman  
LaunchDarkly  
Datadog  
GA4 Google Analytics

### Deployment Tools/Hosting

Jenkins  
AWS (S3, EC2)  
Docker