

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