Jeremiah Atwell

Full Stack Software Engineer • Brooklyn, NY
jea989@gmail.com • 917-727-7693
github.com/mai-gh

Technical Skills

- JavaScript, TypeScript, Python, C, Java, Rust
- NodeJS, Express, React, Redux, SQL, HTML, CSS
- Linux/Unix, Bash, Vim, Git, Make, Selenium
- CAD, EDA/PCB Design, Testing, Automation, GIS

Projects

ASPMap.nyc • Full Stack Developer • aspmap.nyc   2023
View NYC Alternate Side Parking overlaid on a city street map.

- Converts ArcGIS Shapefiles from NYC Open Data to GeoJSON for display using OpenLayers
- Parses city work orders to display exact boundaries of alternate side parking zones
- Highlights streets with a single alternate side parking day, to minimize extra driving
- Android app (available on the google play store) caches all map data, enabling offline use

Canvect • Full Stack Developer • canvect.com   2022
In browser 2D canvas vector drawing tool

- Use-cases include: Architectural, Artistic, Electronics, etc.
- Import / Export to SVG
- Completely vanilla javascript with no external libraries

Employment

Lead Full Stack Software Engineer, Pacer Automated Solutions, San Francisco, CA (Remote)   2023

- Successfully transformed an unfinished prototype into a fully operational product
- Trained and assisted junior developers in debugging environment & coding issues
- Developed unit testing for frontend & backend
- Automated accessing federal court records using undocumented CM/ECF public apis

Electronics / Software Engineer, freelance, New York, NY   2017—2023

- Designed and assembled electronic systems for conceptual art projects
- Developed embedded controller software for individual pieces and installations
- Engineered systems for compatibility with international power grids

Cabinet Maker / Scenic Carpenter, freelance, New York, NY   2016—2023

- Crafted and installed bespoke European-style cabinets
- Constructed sets for theater, films, music videos, and other productions
- Created software tools to generate precise schematics from rough designs
- Worked with designers to realize creative visions within physical constraints

Library Clerk / IT Associate, Carnegie Library of Homestead, Pittsburgh, PA   2015—2016

- Assisted library patrons in the use of all information systems
- Identified and corrected security vulnerabilities in the library's VPN system
- Promoted the use of open-source software on library computers

Education

Full Stack Academy   2022
Certificate in Software Engineering

- 17-week Full Stack JavaScript web development immersive