

Jeremiah (Mai) Atwell

Software Engineer • New York, NY
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Technical Skills

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

Projects

Street Parker • Full Stack Developer • <https://github.com/mai-gh/streetparker2> 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

Internation House of Pie • Full Stack Developer • ihopie.cf 2022
Online shopping app featuring delicious pies from around the world!

- Created a tool to seed database with randomly generated test fixtures
- Implemented a persistent shopping cart using browser local storage

Employment

Electronics / Software Engineer, freelance, New York, NY 2017—2022

- 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—2022

- 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

IT Associate, Carnegie Library of Pittsburgh, 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

Grace Hopper Program at Full Stack Academy 2022
Certificate in Software Engineering

- 17-week Full Stack JavaScript web development immersive