

Mike Peritz

Full Stack Software Developer

New York, NY

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Technologies

- **Proficient** – Node.js, React, Redux, Webpack, Express, Sequelize, PostgreSQL, AJAX, HTML/CSS, Git, Mocha/Chai, Jasmine, Enzyme, Jest, Web Sockets, Local Authentication, Passport OAuth2
- **Knowledgeable** – Electron, WebRTC, SQL, SCSS, MySQL, Continuous Integration (Travis)
- **Learning** – Python, Agile

Projects

react-filetree-electron – <https://github.com/mperitz/react-filetree-electron>

- Open source React component that renders an easily styled file tree view in a native Electron application
- Fully unit tested with Enzyme and Jest to ensure performance and provide additional documentation
- Implemented using React, Redux, Node.js, and Bluebird
- Published to npm

Pair.It – <https://pair-it.herokuapp.com>

- Worked with 3 colleagues to create an Electron based, Git enabled, remote pair programming application with a syntax checking text editor and live peer-to-peer video chatting
- Solely responsible for implementing a recursive dynamic file structure tree using Node's fs library and React/Redux
- Co-designed peer-to-peer video with WebRTC and Socket.io, Git integration using Simple-Git, and text-editor functionality
- Performed unit testing on components, reducers, and action creators using Mocha/Chai, Enzyme, and Jest

The Jam Map – <https://the-jam-map.herokuapp.com>

- A filterable map that helps users find live music in NYC, and provides song samples so users can get to know artists
- Designed front end components using React, Redux, Google Maps API, Spotify API, and Material UI
- Obtained and managed data from Ticketmaster API using an Express server and AJAX calls from the front end

Tech Talk – <https://www.youtube.com/watch?v=dSAaLFhlRrc>

- 10 minute presentation on handling asynchronicity using JavaScript and Node.js

Experience

Fullstack Academy of Code – Teaching Fellow & Software Engineering Intern

April – July 2017

- Assisted students with workshops and projects through leading code reviews, lectures, and office hours
- Successfully debugged over 100 student 'help tickets'
- Administered over 30 technical interviews for prospective students
- Led weekly technical interview white-boarding problem sets
- Followed Agile principles to manage 2 team-based student projects
- Built react-filetree-electron component and implemented local authentication and Google OAuth2 in open source React boilerplate

Xtalic Corporation – Product Development Engineer

August 2013 – December 2016

- Developed Nickel and Silver alloy electroplating processes from lab to plant scale generating \$2+ million in revenue
- Acted as technical and shift lead on several implementations, overseeing teams of 2-4 engineers
- Designed and vetted 5+ electrical, chemical, and mechanical test methods currently in use by Xtalic
- Coauthored pending patent: "Electrodeposition Methods and Coated Components"

Wollaston Alloys – Process Engineer

July 2012 – August 2013

- Analyzed plant processes and implemented changes saving \$100,000+ per year
- Redesigned the tool repair shop and metal cleaning area, improving productivity by up to 2 products per worker per day
- Worked with environmental contractors to eliminate Nickel contamination in soil surrounding facility

Education

Fullstack Academy of Code – New York, NY

January – April 2017

- 3 month intensive bootcamp teaching full stack JavaScript web development
- Selected for one of four teaching fellowship positions out of 30 applicants

MS/BS - University of Rochester

August 2008 – May 2012

- Chemical Engineering: 3.77 GPA (MS) / 3.41 GPA (BS)
- Teaching Assistant for 3 advanced courses and tutor for disabled student
- Co-hosted "Jam Out and ROCK" on WRUR student radio for 3 consecutive years

Interests

- Code, live music, hiking, environmental conservation, world travel, chemistry