

Jake Rothenberg

Software Engineer

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Skills

PROFICIENT: JavaScript, React, Redux, Node.js, Express, Sequelize, HTML5, CSS3, Git, Github, PostgreSQL

KNOWLEDGEABLE: Python (Pandas, Matplotlib, Numpy, SciKitLearn), Webpack, Bootstrap, TDD (Mocha, Jasmine, Chai), Socket.IO,

FAMILIAR: Heroku, Passport.js, OAuth

Work Experience

Software Engineer Teaching Fellow

Fullstack Academy

New York, NY | Jan 2020 – Present

- Lead 41 adult-learners through complexities of the NERD stack (Node, Express, React, Redux) and REST API principles
- Write and guide students through daily algorithm practice, teaching computer science fundamentals and data structures
- Coach students through test-driven development, using object-oriented programming and JavaScript debugging techniques
- Conduct technical interviews to prospective students in Ruby, Python, and JavaScript, assessing problem solving skills
- Serve as project manager for 2 groups of 4 students, employing agile methodologies and DevOps tools to guide them from ideation to completion in a final capstone project

Assistant to Executive Director/Board Liaison

Committee to Protect Journalists

New York, NY | Mar 2017 – Aug 2019

- Led logistical planning for all board meetings and events, and served as organization-wide point person between staff and board members, including high level executives and editors-in-chief
- Oversaw research into CPJ's first-ever donor survey and produced report, using Python's Pandas library, on data representing the organization's nearly \$1 million year-end donation surge
- Worked with developers on the creation of CPJ's new donate page by transferring concerns from small donors to user design solutions, helping to generate thousands in new revenue

Education

Fullstack Academy

New York, NY | Aug 2019 – Dec 2019

- Immersive fulltime software engineering bootcamp for learning fullstack JavaScript and associated languages

University of Michigan – Honors College

Ann Arbor, MI | Aug 2012 – Dec 2016

- BA in Philosophy, Politics, and Economics (PPE), Honors with Distinction
- Wrote 100-page honors thesis on criminal justice reform
- GPA: 3.80

Projects

SoleMate - Developer in team of four

github.com/Vue-gles/sole-mate

- Mobile social media fitness app that matches users with runners in their area and records routes, tracks workout progress, and generates custom running routes
- Used React Native for frontend UI and Redux for a centralized state management, interacting with Socket.io for real time component rendering and instant messaging
- API built on Node.js through Express routes, interacting with a relational PostgreSQL database
- Google Maps Directions & Places API harnessed for storage and rendering of running route information
- Developed original algorithm, using geometric waypoints in user's circle radius, to generate hundreds of custom routes based on preferred run mileage and location

HomeReveal - Sole Developer

github.com/jroth125/HomeReveal

- A Browser extension that links apartment rentals with important data on housing complaints and neighborhood amenities for enhanced consumer transparency
- Interacts with NYC Public Data / Socrata Open Data API, and StreetEasy to reveal key purchase details, like close-by amenities and past code violations
- Provides an easy-to-use pop-up UI with React.js to change user visuals and options
- Serves up home and neighborhood graphics so that users can get the information they need without individually researching units

Hackstreet Market – Developer in team of four

github.com/hackstreet-boyz/graceshopper

- A full-stack mock e-commerce website for buying worldwide sauces, built on a Node.js back end and a React and Redux based front-end
- API utilizes Express, Passports, and OAuth for saving site users
- Enabled both user and guest carts to streamline buying environment, and integrated Stripe API for credit-card purchases