Julie Busch

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Software Engineer

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github.com/JulieBusch
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Technologies

Proficient in | JavaScript, React, Redux, Node, Express, Sequelize (ORM), HTML, CSS, Sass, AJAX, Agile workflow, Git

Familiar with | Sketch, JQuery, SQL, Webpack, Babel, Socket.io, Responsive Design, PostgreSQL, Mocha, Affinity Designer

Interested in | WebGL, User Interface Design, Animations and Visual Effects

Projects

Catstravaganza | *Sole Developer* | *Built with Node, Express, PostgreSQL, and Sequelize* — **March 2017**

A review for students exploring using a RESTful Express API to modify a PostgreSQL database through the ORM Sequelize. Codebase accompanied by 1.25 hours of recorded review lectures and an hour of live demonstration.

StagedFright | *Full Stack Developer* | *Built with React, Redux, A-Frame, Firebase* — **January 2017 - February 2017**

A WebVR app that allows users to practice public speaking. Your speech scrolls in front of you as you stand on stage in front of a large crowd; the VR view includes real-time feedback on pitch and volume.

Tiny Travel Books | *Sole Developer* | *Built with React, Redux, Express, Sequelize, Node* — **January 2017 - Present**

A platform for users to create customized pocket-sized travel guides that include their own transportation and lodging information. Users can share pages they make for destinations and choose pages with info on various activities to add to their books. Includes book building, e-commerce, and social networking features.

Superpower Store | *Full Stack Developer* | *Built with React, Redux, Express, Sequelize, Node* — **January 2017**

An e-commerce store that sells superpowers. Implemented catalog view, single product view, and review system in React. Wrote the product descriptions.

Stop, Teaf | *Full Stack Developer* | *Built with Node, Tessel API, Tessel hardware, HTTP* — **October 2016**

Winner: Fullstack/Grace Hopper Tessel Hackathon's "Best Solution to an On-Campus Problem" prize

Stop, Teaf allows a user to place a sensor with an accelerometer inside of something important to them that is kept in a shared space. The sensor wirelessly connects to a Node server running on the user's computer. If the item is moved an alarm goes off on the computer and the user's CLI prompts them to type a message to the thief; that message is then read aloud to the thief in the other room via text-to-speech conversion.

Experience

Fullstack Academy of Code | *Teaching Fellow for the Grace Hopper Program* — **February 2017 - May 2017**

Made supplemental learning materials and guides for students' reference; gave presentations to students
Mentored a learning team of four students; graded assignments and held weekly meetings and office hours
Assisted instructors in explaining concepts and debugging student work

Code/Interactive Spring Hacks 1 | *Volunteer Mentor* — **March 2017**

Mentored two groups of four underprivileged high school students to help them prepare for the practical portion of the AP Computer Science Principles exam by guiding them through making small apps in a hackathon

Education

Software Engineering Immersive | 13 weeks | over 1,000 hours | less than 8% acceptance rate — **February 2017**

Fullstack Academy of Code | The Grace Hopper Program, New York, NY

Bachelor of Fine Arts in Stage Management | Professional Design/Technology Program — **May 2010**

Conservatory of Theatre Arts & Film, Purchase College, State University of New York

Associate of Applied Science in Professional Photographic Illustration — **May 2006**

School of Photographic Arts and Sciences, Rochester Institute of Technology, Rochester, NY

Interests

Cooking, Theatre, French Language, Industrial Design, Architecture, Biking, Travel, Classical Music, Cats, Dogs