Emma **Brown**

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LinkedIn: linkedin.com/in/EmmaEm   **GitHub:** github.com/EmmaEm   **Portfolio:** EmmaEm.com

>LANGUAGES AND TECHNOLOGIES
- **Proficient:** JavaScript, Node.js, Express, SQL, PostgreSQL, MongoDB, Firebase, Heroku, jQuery, HTML5, CSS3, SVG, Git, Mocha, Chai, Nightmare.js
- **Exposure:** ReactJS, React Native, Python, Flask, D3.js, Plotly, Leaflet, Beautiful Soup, MySQL, Java, C/C++, Lua

>PROFESSIONAL EXPERIENCE
UC Berkeley | Software Engineering Instructor | Berkeley, CA   Feb 2018 - Present
- Conducted review sessions, solidifying over 50 students' foundational knowledge in JavaScript and Python, providing deep dive into language fundamentals.
- Debugged 150+ students' web applications, activities, and homework, built with JavaScript, ReactJS, Node.js, Express, SQL, MongoDB, web scraping using Beautifulsoup, and visualizations with D3.js and Plotly.
- Provided code reviews in JavaScript and Python, identifying optimizations and emphasizing importance of adhering to industry standards, saving at least 2 hours per week in development time.

CodeREV | Software Engineering Instructor | Millbrae, CA   Jul 2018 - Aug 2018
- Led class lessons on computer science fundamentals (conditional logic, looping, functional programing, OOP) to more than 50 students aged 5 - 14.
- Taught how to build worlds in Roblox and implement custom code in Lua, enabling students to create vehicles and personalize obstacle courses with flashing, invisible, or intangible obstacles.
- Built robots using Arduino, working with hardware and wiring necessary circuits and writing C/C++ for robots to respond to button presses or switches flipped on breadboard.
- Customized worlds in Minecraft using Java, supporting students building 'dropper' games, obstacle courses, and mazes with customized teleport blocks and moving trap doors.

SimpliSafe | Technical Support Representative | Boston, MA   Feb 2016 - Sep 2016
- Resolved customer concerns by troubleshooting hardware, installation, and app usage, achieving some of highest customer satisfaction and lowest callback rates, increasing referral sales by 1 - 2 systems per week.
- Trained new employees and supervised customer interactions, lowering escalations to managers by 80%.

Lansdowne Pub and The Black Rose | Lead Hostess | Boston, MA   Apr 2014 - Feb 2016

Lumley Insurance | Underwriting Assistant | Wellington, New Zealand   Mar 2013- Feb 2014

>EDUCATION
B.S. Environmental Science, *Humboldt State University*   Dec 2012
B.A. Economics, *Humboldt State University*   Dec 2012

>PROJECT WORK
Hydrate | Software Engineer | bit.ly/fitbit-hydrate   Jan 2018
Fitbit smartwatch app where users can log daily water consumed.
- Optimized watch interface for small screen and engineered 'add water' feature using JavaScript, SVG, and OAuth, increasing user base to more than 5,500 individuals.
- Connected watch app to phone app to leverage phone internet connection for API calls using WebSockets, and JavaScript, enabling watch to log information to user account.
- Implemented settings page running inside official FitBit app using React Native, allowing users to authorize OAuth and select default water volume.

Vinyl | Software Engineer | emma-vinyl.herokuapp.com | github.com/EmmaEm/Vinyl   Oct 2017
Platform where users can review albums.
- Developed backend with Node.js and Express, creating authentication and authorization with PostgreSQL user database and express-sessions so only logged in users can write reviews.
- Wrote bash script to automate entire setup process for developers, optimizing configuration time by 98%.

>LEADERSHIP + AWARDS
1st Dan Black Belt, *Jae Hun Kim Taekwon Do Institute*   2016