Dylan T. Vavra

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Portfolio: https://dvavs.github.io | GitHub: https://github.com/dvavs

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SUMMARY

Aspiring software developer with a background in scientific research and a life-long dedication to learning. Adept at leveraging creativity and a keen attention to detail to solve problems and achieve solutions. Committed to developing efficient, user-friendly applications.

TECHNICAL SKILLS

JavaScript, React.js, Node.js, Express.js, MySQL, MongoDB, HTML, CSS, Git. Statistics, data transformation, data analysis; Microsoft Excel, R, SPSS.

PROJECTS

WorkHound

GitHub: https://github.com/dvavs/workHound
Demo: https://dvavs-workhound.herokuapp.com/

- Simple recruiter management application that allows recruiters to track their recruits, list jobs for them, add new recruits, and establish relationships with new candidates registered with the app. Also provides candidates with a user interface to keep track of their job opportunities.
- Role: JavaScript programming, authentication and encryption setup, database design, front-end stylization, Heroku deployment
- JavaScript, Node.js, Express.js, Heroku, Handlebars.

Hold My Beer!

GitHub: https://github.com/dvavs/Firefoxes_Bootcamp_Proj1
Demo: https://dvavs.github.io/Firefoxes_Bootcamp_Proj1/

- Users can select U.S. city/state and brewery type (by size). App displays information of breweries meeting criteria in list format and places interactive pins on a map that interface with brewery websites and Google Maps. Also allows users to filter results to display only breweries open at the time of search.
- Role: Conceptual design, API interface configuration (including proxy server implementation), coded dynamic features.
- JavaScript, Node.js, AJAX, Google Maps APIs.

Friend Finder

GitHub: https://github.com/dvavs/FriendFinder
Demo: https://dvavs-friendfinder.herokuapp.com/

- Matches users to new friends based on responses to a 20-item personality measure. HTML and API routing are handled by an Express server.
- Role: Full project construction and deployment.
- JavaScript, Node.js, Express.js, Heroku.

EXPERIENCE

University of Richmond, Richmond, VA   January 2016 – Present
Research Lab Specialist – Psychology

Provide research support to an eclectic department of 11 faculty across numerous disciplines of Psychology. Duties include designing, building, testing, and debugging experiments, serving as administrator of the undergraduate *Introduction to Psychology* research participation program, and managing the University's mammalian research facility, ensuring compliance with federal regulations and standards.

- Collaborated to build and program a miniature car using Java; participated in training of rodent drivers to operate the vehicles.

- Co-developed an interface turning facial expressions into computer input sensors to detect EMG signal (programmed in Java).

- Wrote technical manuals for Department software and hardware for the purpose of establishing best practices and training students and faculty.

- Compiled and managed large data sets, providing faculty with the opportunity to perform novel analyses (e.g., meta-analyses and systematic literature reviews).

EDUCATION

University of Richmond, Richmond, VA   October, 2019
Full Stack Web Development Coding Certificate

University of Richmond, Richmond, VA   May, 2019
Introduction to GIS Certificate

University of Richmond, Richmond, VA   May, 2014
Bachelor of Arts in Psychology