

Dylan T. Vavra

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

LinkedIn: <https://linkedin.com/in/vavrad>

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
Research Lab Specialist – Psychology

January 2016 – Present

Provide research support to an eclectic department of 11 faculty across numerous disciplines of Psychology. Duties include:

- Designing, building, testing, and debugging experiments across varied platforms including e-Prime, Qualtrics, Eyelink Experiment Builder, and Inquisit.
- Providing technical support, taking tickets and resolving issues with hardware (e.g., microscopes, video capture systems) and software (e.g., data analysis tools, experiment programming/deployment platforms).
- Building new hardware for use in laboratory settings (e.g., an electromyographic interface to receive facial expressions as computer input, a miniature vehicle to be operated by rodent drivers).
- Establishing best practices for use of department hardware and software, writing technical manuals for them, and training faculty and students in their use.
- Managing the University's mammalian research facility, ensuring compliance with federal regulations and standards.
- Compiling and curating large data sets, giving faculty the opportunity to perform novel analyses (e.g., meta-analyses and systematic literature reviews).

EDUCATION

University of Richmond, Richmond, VA (in progress)
Full Stack Web Development Coding Certificate

October, 2019

University of Richmond, Richmond, VA
Introduction to GIS Certificate

May, 2019

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

May, 2014