

M. KENSEY BARKER

Richmond, Virginia 23231

Phone: (703) 401-4969 | Email: kenzrad@gmail.com

LinkedIn: www.linkedin.com/in/kensey-barker-89388535 | GitHub: github.com/kenzrad | Portfolio: kenzrad.github.io/portfolio/

SUMMARY

Full Stack Web Developer with a background in Biology and Chemistry. Strong leader with extensive project and people management skills. Experienced in JavaScript, jQuery, Node.js, MVC, SQL, HTML/CSS, and R.

SKILLS & QUALIFICATIONS

Languages: JavaScript, R, SQL, JSON, BSON, Bash, VBA

Technologies: Node.js, HTML/CSS, Bootstrap, jQuery, Axios, Express, MVC, GitHub, MySQL, NoSQL, MongoDB, React

PROJECTS

fieldPET | <https://github.com/kenzrad/fieldPET> | <https://salty-savannah-46210.herokuapp.com/>

- fieldPET is a full-stack field notes application for entering and visualizing stream water quality data
- Role: Back End framework, data processing, and server-side API calls; Front End: Charts.js integration and styling, metrics and analysis javascript, jQuery coding
- This app utilizes JavaScript, jQuery, Materialize, Charts.js, CSV-parser, Node.js, Handlebars, Express, Sequelize, MySQL, JawsDB

vinylly | <https://github.com/kenzrad/vinylly> | <https://kenzrad.github.io/vinylly/>

- Vinylly is an app that visually enhances the musical experience with the vintage vibes of vinyl.
- Role: design and development of the UI/UX, code animations, and QC/troubleshoot API calls and constructors
- This app utilizes JavaScript, jQuery, Bootstrap, JSON, Ajax, and Moment.js

LIRI | <https://github.com/kenzrad/liri-node-app>

- LIRI is a Language Interpretation and Recognition Interface command line node app that takes in parameters and gives the user back data
- This app utilizes JavaScript, Node.js, Node-Spotify-API, Axios, Moment, DotEnv, and Chalk

PROFESSIONAL EXPERIENCE

Associate Group Leader, Molecular Genomics

2010-2012, 2015-Present

Pharmaceutical Product Development

Richmond, VA

Manages a team of ~15 scientists in a fast-paced, deadline-oriented regulatory lab. Performs analysis on scientific data using validated excel workbooks (VBA/SQL), R, and various analytical software programs. Writes and reviews scientific, validation, and statistical reports.

Adjunct Instructor/Graduate Teaching Assistant

2012-2016

Virginia Commonwealth University

Richmond, VA

Instructed Medical Microbiology Laboratory and GRE Preparation Courses to Undergraduate-Level students. Prepared lessons plans and classroom materials. Developed and evaluated exams and assignments. Provided guidance and mentorship to students.

Research Assistant/Laboratory Technician

2012-2015

Virginia Commonwealth University

Richmond, VA

Designed and troubleshooted complex laboratory procedures. Conducted extensive research on molecular techniques. Maintained and evaluated large data sets using Microsoft Excel and R. Conducted field work and collected samples.

EDUCATION

Full Stack Web Development Bootcamp Certificate: University of Richmond, Richmond, VA

Master of Science in Biology: Virginia Commonwealth University, May 2014

Bachelor of Science in Biology (min. Chemistry): Virginia Commonwealth University, May 2010