Kevin L. Miller, Ph.D.

klmille@gmail.com | (310) 562-4572 | Los Angeles, CA 90230
LinkedIn: www.linkedin.com/in/kevin-miller-phd-1b197986 | GitHub: github.com/Koldenblue
Portfolio: https://kevin-miller-react-portfolio.herokuapp.com

SUMMARY

Full-Stack Web Developer with a Ph.D. in chemistry and education in full-stack development, both from the University of California Los Angeles (UCLA). Experienced independent researcher, business manager, scientist, and problem solver. Values include community, ethics, integrity, and business sense. Leadership, teamwork, and public speaking skills stem from years spent as a classroom teacher and a group fitness leader. Top aim is to find success in life, while improving the lives of others through program design and social interaction.

TECHNICAL SKILLS

- JavaScript/HTML/CSS used as main coding languages
- Emphasis on MERN stack technologies (MongoDB, Express, React, and Node.js)
- Python as secondary language, with ability and skill to learn further languages
- Use of established libraries such as Redux, jQuery, Flask, Sass, Bootstrap, Handlebars, Material UI, TypeScript, Jinja
- SQL database work, through MySQL, SQLite, SQLAlchemy, and Sequelize
- MongoDB and mongoose, or alternatively Firebase, for non-relational database management
- Coding techniques include object-oriented programming, asynchronous function handling, mobile-responsive web design, and familiarity with code testing using tools such as Postman and Jest
- AJAX calls for integrating APIs – for example, Facebook, Twitter, and Google Cloud APIs
- Skill in researching programming languages and techniques - for example, Python, basic PHP, and basic C/C++ programming accomplished through self-study and professional certification

SAMPLE PROJECTS

- Full portfolio located at https://kevin-miller-react-portfolio.herokuapp.com

Color Rippler | https://bit.ly/color-rippler-github | https://bit.ly/color-rippler
- Code that renders up to thousands of interactive components in the DOM, using React
- Combines front-end design with JavaScript algorithms. MERN stack is used for data storage, user authentication, and back-end routing.

Express Bartender | https://bit.ly/express-bartender-github | https://bit.ly/express-bartender
- Executed lead back-end scripting for a small team of coders. Led back-end database and routing design. Programmed storage and updates of user information with SQL database.
- Helped teammates solve code difficulties, reviewed team code on GitHub, and contributed to front-end and overall website design.
- Programmed SQL database of drink recipes acquired through AJAX calls to APIs.

EMPLOYMENT

Aim-Hi Global, LLC. | https://aimhiglobal.com   *December 2020 - Current*
Web Development Intern
- Implemented new app user settings features, added protected route functionality, refactored code, and fixed various bugs while working with React and Firebase
- Collaborated on ongoing programming of interaction with big data social media APIs, such as Facebook and Twitter, as well as the subsequent organization and graphing of retrieved data

Twinwood, Inc.:

Property Manager and Accountant *October 2013 - Current*

- Worked independently on small Python timesheet and balance sheet software programs, streamlining company workflow
- Rigorous documentation and coordination of construction projects, with spending in the hundreds of thousands, benefited both tenants and the company through substantial property improvement
- Contributed to business decision making, such as management of over a dozen buildings, and purchasing decisions for properties worth millions
- Meticulous business analytics helped achieve a yearly company growth rate of 3.6% of net worth

Praxair:

Lab Technician and Analytical Scientist *October 2014 – February 2015*

- Carefully managed lab testing allowed for a fast throughput of dozens of highly pure gasses daily

University of California, Los Angeles:

Researcher / Teaching Assistant *Sept. 2007 - December 2014*

- Intense scientific research led to seven published research papers
- Personal mentoring of two undergraduates helped them publish their own scientific papers
- Chemistry research was awarded Ralph and Charlene Bauer Award, as well as two separate fellowship awards
- Close supervision of hundreds of undergraduate students in both labs and discussion sections, during teaching of over a dozen college-level chemistry discussion courses

EDUCATION

CS50 Web Programming Professional Certificate – HarvardX Online *In Progress*
CS50 Computer Science Professional Certificate – HarvardX Online
Full-Stack Web Development Coding Bootcamp – UCLA Extension
Ph.D., Chemistry - University of California, Los Angeles
B.S., Chemistry - University of California, Irvine