

Allen Miller

CELL 909-786-5138 • E-MAIL alrumill2@gmail.com

PROFESSIONAL EXPERIENCE

Associate (Full Stack Developer) | INFOSYS LTD. | September 2017-PRESENT

Projects:

- Client, Current – Work involves using React JS to create web services, React Native for Android development, and XCode/Swift for development of iOS applications to satisfy client needs.
- Internal – Created a typeahead reusable component using Angular 5 to dynamically show search suggestions to the user at every key input. Data fetched from backend or static JSON. Accessibility concerns were addressed using the Aria framework and support was added for internationalization using the ngx-translate library.
- Internal – Used full MEAN stack (MySQL, Express, Angular 4, Node JS) to create a boat rental service website to satisfy end of training requirements. Website dynamically fetches data from the backend to display onto the front-end using RESTful web services.

Trainings:

- Completed a two-month long training program covering programming fundamentals in Python, JavaScript, HTML, CSS, Bootstrap, Angular, React, and Node JS backend systems.
- Participated in separate courses on XCode/Swift iOS development and React JS.

Research and Technical Assistant | University of California, Santa Cruz Physics Dpt., Frank Bridges | April 2014- July 2016

- Wrote senior thesis to satisfy graduation requirements of UC Santa Cruz's Physics Dpt. Thesis on X-Ray absorption spectroscopy and thermal characteristics of thermoelectric compound $\text{Ce}_{0.9}\text{CoFe}_3\text{Sb}_{12}$.
- Utilize the XAFS technique to characterize properties of high interest compounds such as thermoelectric skutterudites and low temperature super conductors.
- Gather X-Ray absorption data at beam line experiments at the Stanford Synchrotron (SSRL) near SLAC, the Stanford Linear Accelerator.
- Manage experimental equipment at SSRL, including cooling samples to 5 K with liquid helium and controlling experimental voltages and voltage gains by detuning.
- Perform IT maintenance on a dedicated Unix server.
- Plot and perform statistical data analysis on x-ray absorption data stored on a Unix server using PGPlot and RSFit.

SKILLS

Languages: Java, C#, Python, JavaScript, Typescript, Swift

Web Technologies: HTML5, CSS, JavaScript, Typescript, JSON, SQL, JQuery, RESTful web services

Frameworks: Angular, React JS, Node JS, Express, Java Spring

Tools and Utilities: eclipse, Visual Studio, Visual Studio Code, MySQL, Blender, Unity, Unreal

Source Control: Git

Operating Systems: Windows, Linux, Mac

EDUCATION **B.S. In Applied Physics with a minor in Electrical Engineering** June, 2016
University of California, Santa Cruz