

Alia Wilkinson

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Technical Skills

Strong: Javascript, HTML5, CSS3, jQuery, ReactJS, git, RESTful API Calls, AJAX, Axios, Postman, ESRI ArcGIS Suite (ArcMap, ArcGlobe), Regular Expressions, AWS EC2 Cloud Deployment

Experienced: PHP, MySQL, Redux, Bootstrap, Materialize, Firebase, AutoHotKey

Professional Experience

Founder, Software Developer and Design Engineer | SunGhost Industries - July 2018 to present

Fox Sports 94.9 Central Oregon Website - LIVE | [GITHUB](#)

Website for a sports station in Central Oregon with a **ReactJS** and **CSS3** front end and a **NodeJS, AWS, Linux** (Ubuntu) backend and deployment.

- Saved the station **\$100+/mo** by building an audio player from scratch that utilizes free streaming

Teaching Fellow | Colombian Ministry of National Education | July 2017 - Dec. 2017

Developed training materials, taught children in grades 6-11 English at a public high school in Cali, Colombia

FTTH OSP Site Walk & Design Engineer | Black and Veatch | June 2016 to May 2017

- Computed and verified address data, fielded and designed for AT&T Lightgig fiber build using **ArcGIS** online as a founding member of the San Diego Office (Kansas City based Company - experience with remote work)
- Introduced B&V to automation software (**AutoHotKey**) and programming to improve productivity on FTTH projects.

Lead OSP Design Engineer | CHC Consulting | October 2015 to June 2016

- Promoted from Intern to Drafter to Design Engineer to QA Design Engineer to Team Lead in utilizing Google Fiber's proprietary software.
- Increased productivity on the QA team by 80% by improving communication and training practices
- Taught **regular expressions** as part of a new process to speed up workflow.

Applications Developed

Pure Product - LIVE | [GITHUB](#) - Application that rates the safety and gentle factors of cosmetics

- Scraped data from external sites to acquire rating information, as well as product information (EWG, Paula's Choice, sephora.com) using **AutoHotKey**
- Built the front end in **ReactJS**, styled with **Materialize** and **CSS**, wrote endpoints in **PHP**, used mySQL database
- Deployed using Linux OS and Apache server for deployment and **AWS** on the backend (**LAMP** stack, **AWS Ubuntu** deployment)
- Lead team in full ideation and project design via agile methodologies and a **kanban board** for organization

Solar System Explorer - LIVE | [GITHUB](#) - Educational Application for Elementary School Children

- Built with **Javascript ES5**, **jQuery**, **HTML5** and **CSS3**
- Utilized **AJAX** to contact Wikipedia, Youtube, and NASA **APIs**
- Crafted a user responsive **parallax** stellar background to enrich the experience

Education

Cal Poly Pomona 2015 | B.A. Science, Technology and Society | Minor: Geographic Information Systems (GIS)

Dean's List, President's List

LearningFuze, 2018 | Accelerated Computer Science Program