

Alia Wilkinson

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Technical Skills

Strong: HTML 5, CSS 3, Javascript ES5, ES6, jQuery, ReactJS, git, RESTful API Calls, AJAX, Axios, Postman, ESRI ArcGIS Suite (ArcMap, ArcGlobe), Regular Expressions, AWS EC2

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

Applications Developed

Pure Product - [LIVE](#) | [GITHUB](#)

- Application that rates the safety and gentle factors of cosmetics by utilizing the **ReactJS** framework, **Axios** for API requests, **Materialize** and **CSS3** for styling, **Linux** OS and **Apache** server for deployment, **mysql** database and **PHP** server files, and **AWS** on the backend (**LAMP** stack, **AWS Ubuntu** deployment).
- Scraped data from external sites to acquire rating information, as well as product information (EWG, Paula's Choice, sephora.com) using **AutoHotKey**.
- Lead team in full ideation and project design via agile methodologies and a **kanban board**, as well as extensive problem solving

Solar System Explorer- [LIVE](#) | [GITHUB](#)

- Educational Application for Elementary School Children that utilizes **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

Professional Experience

Founder, Software Developer and Design Engineer / SunGhost Industries - 2018

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 - 2017

- Taught children in grades 6-11 English at a disadvantaged public high school in Cali, Colombia.

FTTH OSP Site Walk & Design Engineer / Black and Veatch - 2016 to 2017

- Introduced B&V to automation software (**AutoHotKey**) and programming to improve productivity on FTTH projects.
- Computed and verified address data, fielded and designed for AT&T Lightgig fiber build using **ArcGIS** online

Lead OSP Design Engineer / CHC Consulting - 2015 to 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.

Education

LearningFuze, 2018 | Accelerated Computer Science Program

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

Dean's List, President's List