CARLOS ARIAS-MIRANDA

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SKILLS

Ruby, Rails, Javascript, React, Redux, jQuery, HTML, CSS, SQL, git, TDD, AWS S3, Fluent in Spanish

PROJECTS

Fakebook (Rails, React, Redux, PostgreSQL, Webpack, AWS, CSS3, Heroku) | *Sole Developer*   **live | github**

A single-page web application inspired by Facebook where users can share media with family and friends from all over the world

- Introduced improvements in time complexity and server loading speed by designing custom SQL queries to extract required data in a single query through the use of Active Record associations.
- Engineered a custom process for multiple media file uploading which mimicked Facebook's media uploading process precisely.
- Reduced the number of required database tables by 16% and refactored backend code by utilizing polymorphic tables.

Keypress (JavaScript, NPM, Webpack, HTML5, CSS3) | *Sole Developer*   **live | github**

Fully interactive javascript application where users can complete typing lessons to improve their accuracy and speed.

- Eradicated graphic rendering lag and enhanced user experience (UX) by building a custom image caching algorithm which caches lesson images on a per-need basis.
- Implemented a seamless multi-page experience through custom, highly maintainable, JavaScript rendering functions and OOP.
- Formulated a feedback system using custom JavaScript functions to track user progress based on their typing speed and accuracy.

EXPERIENCE

Full-Stack Developer   **2017 - 2019**
Logistics Supervisor   **2014 - 2019**
Express Transport by Air, LLC.

- Engineered innovative internal tools using PHP, JavaScript and SQL to maximize efficiency and reduce clerical errors by 15%.
- Designed and developed a stylish and fully responsive website for the company, increasing customer acquisition by 5%.
- Pioneered and implemented warehouse product tracking system to increase personnel productivity by 50%.
- Supervised and trained team of eight while overseeing customer relations for nearly 20 accounts.

Academic Learning Center Supervisor   **2011 - 2014**

Union County College

- Taught complex mathematics and physics subjects including *Differential Equations*, and *Electricity and Magnetism* with a student success rate of 96%.
- Managed team of five learning center mentors.

EDUCATION

App Academy   **February 2019 - May 2019**

1000 hour immersive full-stack web development course with <3% acceptance rate. Topics include: Rails, SQL, JavaScript, React, Redux, TDD, OOP, scalability, data structures and algorithms.

Thomas Edison State University - B.S. Electronics Systems Engineering   **2017 - 2019**
Union County College - A.S. General Engineering   **2011 - 2014**