CARLOS ARIAS-MIRANDA

CELL (908) 422-6430 **E-MAIL** carlosar1219@hotmail.com **PORTFOLIO** **GITHUB** **LINKEDIN**

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 enhance 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 an automated feedback system which rates students based on their typing performance. This allows students to keep track of their progress and improve their typing skills as they keep practicing.

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 50%.
- Designed and developed a stylish and fully responsive website for the company.
- Pioneered and implemented warehouse product tracking system to increase personnel productivity by 75%.
- 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, but not limited to Differential Equations, and Electricity and Magnetism.
- 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**