

# MILES OWENS

(443) 979-3768 | Austin, TX (Open to Relocate)

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## TECHNICAL SKILLS

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**Languages:** JavaScript, Java, Ruby, Python, HTML5, CSS3, SQL

**Frameworks:** React, Angular 9, TypeScript, Express (Node.js), Rails, Java Spring Boot, Jest, Mocha, JUnit, Capybara

**Developer Tools:** Vim, Git, npm, Webpack, Babel, Gradle, Redux, Scrum, TDD, PostgreSQL, MongoDB, MySQL

## SOFTWARE ENGINEERING APPLICATIONS

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**Full-Stack Engineer** | *Spotify Discovery* | React, Express, React-Native | [Link to GitHub](#) 2022  
*Streamlined music recommendation platform using Spotify's API*

- Leveraged Spotify's API to create a tree of **recursive music recommendations**
- Employed **Express** framework to create an **interfacing back-end** between client and Spotify's services
- Re-factored web application into a React-Native mobile application for better user experience on **iOS and Android**

**Full-Stack Engineer** | *Atelier Web Store* | React, Express, PostgreSQL | [Link to GitHub](#) 2022  
*Mock online retail store following business requirement documentation and design specifications*

- Utilized interfacing back-end to make use of **cookie-handling** and **multi-form parsing middle-ware**
- Re-designed back-end's API to **scale** and meet **thousands of requests per second**. Optimized service using efficient SQL queries and **load-balancing** application and database across different servers
- Decreased response time from **5000ms to 60ms**, and increased limit of **400 requests per second to over 1000**

**Full-Stack Engineer** | *Address Book* | Ruby on Rails, PostgreSQL | [Link to GitHub](#) 2022  
*Responsive address book application with an intuitive and non-cluttered design*

- Applied knowledge of **MVC architecture**, RESTful APIs, and **OOP principles** to build an intuitive address book application
- Integrated custom-built **authentication** features to protect user data and prevent unauthorized access
- Implemented **responsive design**, providing users with a seamless experience across a large range of devices

**Full-Stack Engineer** | *Chipotle Schedule Generator* | Java | [Link to GitHub](#) 2017  
*Weekly schedule generator guaranteed to deploy necessary employees for each shift*

- **83% reduction in time** taken to generate a schedule each week and enabled quick adjustments for unexpected changes
- **Serialized** list of employees to allow for **persistent data**
- Made use of **quick-sort sorting algorithm** to best handle scheduling of employees based on their availability

## EDUCATION

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**Hack Reactor** Galvanize  
*Certificate, Advanced Software Engineering* December 2022  
12-week software engineering immersive program with 1000+ hours of coding

**University of Maryland** College Park, MD  
*B.A. Philosophy, Linguistics* May 2021

**CMSC131** Object-Oriented Programming | **CMSC132** Data Structures | **MATH241** Calc III

## EXPERIENCE

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**Assistant Kindergarten Teacher** Austin, TX  
*Inside Outside School* August 2021 - May 2022

- Communicated with parents and staff to provide timely and effective feedback on student progress
- Implemented learning activities that increased student engagement and improved their reading, writing, and math skills
- Achieved 100% on-time arrivals managing daily bus operations