

# MILES OWENS

(443) 979-3768 | [milesowens.com](http://milesowens.com) | Austin, TX (Open to Relocate)

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## EDUCATION

### University of Maryland

B.A. Philosophy, Linguistics

College Park, MD

May 2021

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

### Hack Reactor

Certificate, Advanced Software Engineering

Galvanize

December 2022

12-week software engineering immersive program with 1000+ hours of coding

## EXPERIENCE

### Freelance Web Developer

Current

- Created a custom **content management system** for clients to easily update website content via an API
- Developed event handling functionality to track user activity and provide comprehensive **site analytics** to clients
- Ensured maximum security for client sites and their users by implementing a **reverse-proxy** to guarantee 100% of connections are via an **encrypted** channel

### 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

## SOFTWARE ENGINEERING APPLICATIONS

### 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

### Back-End Engineer | Yuumi Bot | Python | [Link to Github](#)

2022

Automated bot that takes commands allowing user to duo with their self on popular video game League of Legends

- Created a bot that **avoided Riot's bot detection system** and aided team in winning games in League of Legends
- Designed game-state recognition using **screen-scraping** to automate game-play, including shopping and movement
- Created a server to **accept connections** for **receiving keyboard and mouse inputs** to override automation

## TECHNICAL SKILLS

**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