

# Alex Miller

Grand Rapids, MI

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## Education

**Bachelor of Computer Science** | 2025  
Minor in Data Science  
**Calvin University** - Grand Rapids, MI  
**GPA:** 3.3

## Frameworks, Languages, & Tools

- **Languages:** JavaScript, TypeScript, HTML, CSS, Python, C, C++, C#, Java, SQL, Ruby
- **Frameworks & Libraries:** React, Angular, React Native, Electron, Ember, .NET Core
- **Tools & Platforms:** Cypress.io, Jest, Git, Docker, Firebase, Azure

## Work History

### Application Development Intern | 2024 - Present

**Ottawa Intermediate School District** - Remote

- Developed and executed automated tests for the **MySafeStudent** website, ensuring core functionality and laying the foundation for scalable future development.
- Utilized **React, JavaScript, TypeScript, Cypress.io, Jest**, and **Git** to streamline front-end testing and CI workflows.
- Boosted team efficiency by implementing robust test coverage and early bug detection practices, reducing regression errors.
- Collaborated in a cross-functional **Agile** team of 3+ members with daily standups and sprint planning to maintain consistent progress.
- Completed internal coursework in **React, Cypress, Ember**, and **.NET Core** strengthening technical depth and code quality contributions.
- Currently contributing to **MICIP**, a district-wide planning platform, using **Ember, .NET Core**, and **GraphQL**, expanding full-stack capabilities while maintaining high performance and usability standards.

*React, JavaScript, TypeScript, HTML, CSS, C#, SQL, Jest, Cypress.io, Git, Docker*

### Summer Field Technician | 2021 - 2024

**Ottawa Intermediate School District** - Holland, MI

- Developed internal automation tools using Python and JavaScript to reduce repetitive tech support tasks and improve efficiency.
- Maintained and supported over 3,000 Chromebooks and iPads across multiple public school districts, ensuring smooth operation during school terms.
- Collaborated with team members to execute district-wide deployments, upgrades, and tech asset tracking initiatives.

*Python, JavaScript*

## Projects

### SwipeBite | 2025 - Present

- Built a mobile app that helps friends match on restaurants by swiping left/right on nearby options, streamlining decision-making with real-time Firebase sync.

**GitHub:** <https://github.com/alex-j-miller/swipebite>

*React Native, Firebase, TypeScript*

### SplashStats | 2024 - Present

- Developed SplashStats, an Electron app for Calvin's Swimming & Diving team, using Angular to streamline SwimCloud data retrieval. Designed for coaches, it simplifies performance tracking and enables CSV exports, reducing manual data collection effort.

**Demo:** <https://alex-j-miller.github.io/SplashStats/> • **GitHub:** <https://github.com/alex-j-miller/SplashStats>

*Angular, Electron, TypeScript, HTML, CSS*

### Rupp's Recipes | 2024

- Built an Angular website that displays cherished family recipes that were previously only held in a recipe book to make it so that recipes could be more easily shared amongst family.

**Demo:** <https://alex-j-miller.github.io/rupps-recipes/> • **GitHub:** <https://github.com/alex-j-miller/rupps-recipes>

*Angular, TypeScript, HTML, CSS, Google Firestore, NoSQL*

### LED Wall Matrix Display Library | 2024

- Developed an interactive LED matrix board for Calvin University's Computer Science poster fair, enhancing engagement with images, shapes, and simple games. Created a Python library enabling CS108 students to easily build projects and interact via a controller, highlighting CS creativity and technical skills.
- Worked in a team of 3 people in an Agile workflow with weekly standup meetings.

**GitHub:** <https://github.com/LEDwallSeniorProject>

*Python, C*

### Commit | 2023

- Developed an app to help users form habits through community-based accountability, featuring a friend system, smart alarms, study timers, and an interactive dashboard with progress graphs.
- Worked in a team of 5 people in an Agile workflow with weekly standup meetings.

**GitHub:** <https://github.com/calvin-cs262-takeitEasy>

*React Native, JavaScript, HTML, CSS, PostgreSQL*