MARCUS **RAMOS**

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PROFESSIONAL EXPERIENCE

JUNE 2022 – PRESENT

APPLICATION DEVELOPMENT INTERN, SASSER FAMILY HOLDINGS

- Worked on the development team to build Connected Fleet Management, a **.NET** solution for trucking fleet management. The application was primarily built with **C#** and **Azure**.
- Built a **Python** application to automatically create and assign user stories based on user requests sent to our SharePoint website.
- Built the entire **CI/CD** pipeline for Rail360, an **Azure** solution that provides a comprehensive view of rail car data.
- Wrote **xUnit** tests for Rail360.
- Exposure to the software development life cycle, agile methodologies, domain-driven design, and software design patterns.

EDUCATION

AUGUST 2020– PRESENT

COMPUTER SCIENCE, IOWA STATE UNIVERSITY

- Member of "Computer Science & Software Engineering Club"
- Member of "Hackathon Club"

PROJECTS

INSTAGRAM CLONE (ANDROID APPLICATION): Worked on a team of four to create "Club Hub", an Instagram clone aimed at connecting students and university organizations. The model and controller were built using **Java** and **Android Studio**. The app was unit tested in **JUnit** and used a **SQL** database. Club Hub was voted as the best project across all four sections. I was individually given the "most effort" award by the professors.

TETRIS CLONE (WEBSITE): Worked on a team of three to create a Tetris clone. The website was created using **HTML**, **JavaScript**, and **React.** The **REST API** was built with **Spring Boot** and was deployed to an **EC2** instance on **AWS (Amazon Web Services)**.

AIRLINE COMPARATOR (DESKTOP APPLICATION): Constructed a web crawler to scrape numerous airline websites for flight prices. The application took two input locations through a **GUI** and displayed the prices of the flight for each airline in descending order. The application was built in **Java**, using both the **Swing** and **Selenium** libraries.