

# Jackson Rhea

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## EDUCATION

**B.S., Computer Science;** Game Development Certificate (Summa Cum Laude)  
Arizona State University, Tempe, AZ  
Ira A. Fulton Schools of Engineering  
**Awards:** Provost Scholarship from ASU, **Dean's List** (All semesters)

**May 2024**  
3.87 GPA

## TECHNICAL SKILLS

**Languages:** C#, JavaScript/TypeScript, Python, Swift, Java, C++, HTML/CSS, SQL  
**Frameworks/Libraries:** ASP.Net, NodeJS, React, Unity, Unreal  
**Databases:** SQL, Firebase, PostgreSQL  
**Tools:** GitHub, Azure, Visual Studio, Docker, SQL Management Studio

## WORK EXPERIENCE

### Software Developer | Sandhills Global (GoCurrency)

**June 2023 – Present**

- Architected a GAP and Warranty service supporting **300+** products, enabling applicants to add coverage to equipment purchases, and generating **six figures** of business value
- Integrated Equifax API to implement **Anti-Money Laundering (AML)** and **Know Your Customer (KYC)** support as part of an ongoing project aiming to reduce fraud by detecting high-risk applicants.
- Played a pivotal role in migrating **100K+** legacy applications to a new platform version, contributing to improved performance and system modernization.
- Developed** a notes system enabling admins and managers to create, edit, and store application-related notes for streamlined internal communication.
- Built functionality leveraging the **Department of Transportation's SAFER Report API**, allowing users to quickly retrieve motor carrier safety data.
- Followed **Scrum** methodology to achieve the timely delivery of software solutions

## ACADEMIC PROJECTS

### Elden Ring Boss Checklist React App

**June 2024**

React Native App, utilizing Expo Go for simulation and Apple for hosting

- Designed and developed a full-featured **React Native app** to track every boss in Elden Ring, providing detailed descriptions and map locations for all **207 bosses**
- Manually collected** and structured data due to the lack of accurate public APIs, demonstrating **problem-solving** and **data organizational** skills
- Implemented dynamic filtering and completion tracking logic, ensuring bosses marked as complete move to the bottom of the list, and location-based filtering provides an efficient user experience
- Utilized **Expo Go** for simulation and testing, ensuring seamless deployment and **beta testing** via **Apple's Developer Program**

### Mobile Pantry Application Capstone Project

**Spring 2024**

Developing a mobile pantry management app in a team of three using **TypeScript** and **Docker** for containerization

- Engineered API calls between the front and back end, facilitating efficient and real-time updates for user interactions, such as household management, user interactions, and profile updates.
- Resolved API synchronization issues, ensuring seamless communication between the **front-end** and **back-end** services
- Designed and implemented interactive UI components, including a dynamic filtering system for user management

### Social Media Photo Sharing App

**Spring 2023**

Created a web application that allowed users to share photos, comment, like, and search (JS, HTML/CSS, React.js, SQL)

- Engineered a dynamic comment system using the **PERN stack**, enabling seamless user interactions
- Using a **SQL query**, created a function to find friend recommendations based on who the main user followed and who the main user's followers followed
- Designed an interactive UI displaying structured comments, friend recommendations, and real-time interactions
- Tested and debugged the comment and mutuals system to ensure its reliability and functionality

### Workout Generator IOS Application

**Fall 2023**

Developed a **Swift-based** IOS application utilizing Firebase for seamless user authentication and data storage (Swift, Firebase)

- Developed a **Firebase-authenticated** login system, enabling secure profile management for users
- Integrated third-party **RESTful APIs** to generate personalized workout routines based on user preferences
- Utilized **Firebase** storage to handle user images, allowing for personalized user profiles alongside profile editing