

# JULIA JOOHEE HAN

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## EDUCATION

### Rochester Institute of Technology

Bachelor of Science in Computer Science | Immersion in Psychology | GPA: 3.56/4

Rochester, NY

Aug. 2019 - May 2024

## WORK EXPERIENCE

### Poseidon Systems LLC

Web and Mobile Development Co-Op

Pittsford, NY

Sept. 2023 - Dec. 2023

- Independently resolved 40+ complex issues and implemented new features within a 4-month period, serving as the sole full-time team member in a small team of three.
- Revised and expanded customer-facing API documentation, ensuring clarity and ease of use for future developers integrating with the system.
- Optimized login processes by refactoring code and implementing efficiency-driven improvements, reducing authentication times and enhancing user experience.
- Increased system reliability and performance by diagnosing and resolving critical software defects, resulting in more stable and efficient operations.

### LenelS2 - Carrier

Software Engineer Co-Op

Pittsford, NY

Jan. 2023 - Aug. 2023

- Identified and resolved 20+ legacy bugs, delivering maintainable code solutions that improved system reliability and optimized overall performance.
- Enhanced features and functionality of OnGuard, an integrated access control and alarm monitoring system, by delivering improvements in security, user experience, and operational efficiency while maintaining cost-effectiveness.
- Researched and implemented solutions for managing new responsibilities in the cloud-based version of OnGuard, ensuring a seamless transition to modernized, scalable architecture.
- Contributed to the development of Magic Monitor, a unified security management system, by implementing features that improved usability and integration across security systems.

## PROJECTS

### Dined | TypeScript, Google Cloud Platform, Github, Figma

Nov. 2024 - Present

- Developed a mobile app that helps users discover nearby restaurants and streamline dining decisions with an interactive swiping interface.
- Leveraged **Google Places API** for location-based search of real-time restaurant data within a defined radius.
- Designed a smooth and engaging card-swiping UI using **React Native** and **Swiper.js** for an intuitive user experience.
- Integrated **Firestore** authentication to allow users to sign in and save their preferences.
- Built using **Expo** to enable fast development and deployment across both **iOS** and **Android** platforms

### Dalendar |

March 2024

- Built a dynamic web application using **Angular**, **Node.js**, and **Bulma CSS**, enabling users to track menstrual cycles, energy levels, and moods.
- Integrated the **OpenAI API** for personalized insights, resolving complex issues with promises and observables.
- Implemented tools for tracking periods, fitness, nutrition, and mood using **modular Angular architecture** for scalability.
- Refactored **API** calls and optimized backend queries to enhance performance and reliability.

### gAlnz |

March 2023

- WiCHacks 2023 **Award Winner for MLH**: Most Creative Use of Twilio.
- AI-powered** fitness application to curate personalized fitness and meal plans tailored to user-inputted preferences.
- Utilized **OpenAI** and **Twilio** to send generated plan directly to a phone number.
- Deployed to cloud using **Google Cloud App Engine** and **Cloud Storage Bucket**

## SKILLS

**Technical:** Python, Java, TypeScript, JavaScript, HTML/CSS, SQL (Postgres), C++, Matlab

**Frameworks:** React, React Native, Node.js, Expo, Express

**Developer Tools:** Figma, Git, VSCode, Visual Studio, PyCharm, IntelliJ, Docker