

RYAN LEE

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EDUCATION

Rochester Institute of Technology
B.S. Computer Science

Rochester, New York
Class of 2024

EXPERIENCE

Farm Generations Cooperative
Full Stack Developer Intern

Germantown, NY
Aug 2020 - Present

- Creating a hybrid app infrastructure that allows for a shared code base across the mobile app and web app, speeding up development by nearly 50% due to reusable screens and components.
- Developing product management tools for the enterprise-side of a consumer platform to enable businesses to manage their presence on the network and interface with the consumer app, working with React Native, TypeScript, and Firebase.

FinX Mobile
Software Engineering Intern

Virginia Beach, VA
May 2020 - Aug 2020

- Built the front end for a React Native (JavaScript/Expo) mobile app, including the screens for education, login and registration, financial literacy flashcards, stock price tracking, animations, and app navigation (React Navigation).
- Collaborated with another developer to add email/pin authentication, user data, and profile image storage functionality with AWS (DynamoDB, S3, Amplify, and Cognito).
- Optimized the code base by refactoring large chunks of code into reusable components, and overhauling all screens to use dynamic layout props to auto-scale for different devices.

Gumbo NYC
Game Developer Intern

Brooklyn, NY
Sep 2019 - Nov 2019

- Trained computer opponents with imitation learning methods using Unity ML-Agents and integrated them into a Unity mobile game, improving the existing CPU's performance by 60%.
- Worked with a team to design the network architecture for a cloud multiplayer system with .NET and Postman, enabling quick loading times while keeping the number of server requests low.

PROJECTS

LinkedUp <https://github.com/rlee80/LinkedUp>
Chrome Extension built with React and Redux that powers up LinkedIn networking with message templates, profile summaries, and React Table connection filtering.

Dropent <https://github.com/rlee80/Dropent>
Web App built with React and Django that visualizes prices of high demand goods, enables consumers to track price drops, and locates local charities for donations.

WALL-ECO <https://github.com/rlee80/WALL-ECO>
Smart Garbage Can built with Python (Raspberry Pi) that uses image classification to autonomously sort recyclable and non-recyclable trash into separate bins.

HACKATHONS

Best Use of Google Cloud	WinHacks
Moodify: Mood-Tailored Spotify Playlists	Mar 2020
2nd Place - Advanced	MIT Blueprint
Integra: Natural Language Processing Web App	Feb 2020
Best Hack for Resilience	PennApps XX
Phoenix: Autonomous Fire Fighting Drone	Sep 2019

SKILLS

Languages:	JavaScript (TypeScript, JSX), Python, Java, HTML/CSS
Frameworks:	React Native (Expo), ReactJS, Redux, Node.js (Express), Jest, Travis CI
Cloud Services:	Firebase (Cloud Firestore/Functions), AWS (DynamoDB, S3, Amplify, Cognito)