

Maxim Hutz

Software Engineer Student

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Education

BS Computer Science + BS Information Technology & Web Science

Rensselaer Polytechnic Institute

Class of 2025

Troy, New York

- Cumulative GPA: 4.0
- Awards: Rensselaer Leadership Award, Dean's Honor List
- Coursework: Data Structures & Algorithms, Software Design, User Experience, Object-Oriented Design
- Member of: Gamma Nu Eta, Upsilon Pi Epsilon, Rensselaer Center for Open Source

Experience

American Express

Software Developer Intern

Jun. 2023 – Present

New York, New York

- Improving the performance of the team's business API by introducing a JavaScript-based approach.
- Simplifying team onboarding by developing a responsive documentation website using React and Jenkins.
- Enhancing the experience of future interns by revamping outdated beginner documentation for the site.

Rensselaer Polytechnic Institute

Undergraduate Teaching Assistant

Sep. 2022 – Present

Troy, New York

- Supported 120+ students with Data Structures and Algorithms by hosting office hours.
- Deepened students' skills with weekly labs, code reviews, and feedback on Python and C++ assignments.

Tightrope Interactive

Software Engineer Intern

Summer 2022

Beacon, New York

- Expanded market for product manual site [freshmanuals.com](#) by creating a twin iOS app on the App Store.
- Developed and tested offline mode with Redux.js, allowing users to view their manuals without access to data in the Firestore database.
- Introduced profitability through integrating Yahoo Ads into the search results.
- Optimized future development by the team advocating for familiar React Native over SwiftUI.
- Reduced codebase size by 31% by implementing responsive design to support multiple orientations.

Tightrope Interactive

Junior Software Developer Intern

Summer 2021

Beacon, New York

- Added 3000+ product manuals to the aggregator [freshmanuals.com](#) by scraping 20+ major sites in PHP.
- Cut web scraper create time by 20% by eliminating boilerplate with a custom scraping template.
- Prototyped PDF viewer to upload/print files with HTML, CSS, and JavaScript.

Projects

Malung – AI COVID-19 Classifier

Lead Developer

Sep. 2022 – Dec. 2022

Troy, New York

- Led a team of 3 to create a COVID-19 lung scanner web application using machine learning.
- Streamlined workflow with Docker for local development, and Microsoft Azure for production.
- Integrated user authentication and previous scan storage with MariaDB database and backend API in PHP.

Skills

Programming Languages Technologies

HTML, CSS, JavaScript, Node.js, Python, PHP, C, C++, Java, TypeScript
React, React Native, Redux, GitHub, MariaDB, Docker, Microsoft Azure, Figma