

Max Hutz

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EDUCATION

Rensselaer Polytechnic Institute

Aug. 2021 – May 2025

Bachelor of Science in Computer Science, Information Technology & Web Science

Troy, New York

- *Cumulative GPA:* 3.99
- *Awards:* Rensselaer Leadership Award, Dean's Honor List
- *Coursework:* Data Structures & Algorithms, Software Design, User Experience, Object-Oriented Design

EXPERIENCE

American Express

Jun. 2024 – Aug. 2024

Software Developer Intern II

New York, New York

- Aided onboarding Global Pay™ to the public cloud by leading the first effort at AMEX to use AWS S3 off-premises.
- Used Go to write a reference storage application Improved developer experience by discovering and documenting this previously unknown process in "Stash", a reference storage application written in Go.
- Decreased time to deploy with Terraform to provision storage buckets and compute instances, and GitHub Actions pipeline to automatically test, Lint, provision, and deploy codebase.
- Configured CI/CD pipeline to run full suite of tests and deploy code by containerizing application.

American Express

Jun. 2023 – Aug. 2023

Software Developer Intern

New York, New York

- Accelerated the onboarding and engagement process of Global Loyalty Experiences by leading a team of 3 to develop a multi-faceted ReactJS documentation site.
- Magnified the team's visibility into system performance by integrating GitHub, Splunk, JIRA, and Grafana APIs to provide statistical/graphical data.
- Enhanced the user experience by integrating modern design principles in Sketch and Invision, continuously revising its UI through feedback from active users.
- Deployed a robust and reliable product by stress testing its functionality through 100+ test cases using Jest and Jenkins CI/CD.

Rensselaer Polytechnic Institute

Sep. 2022 – Present

Undergraduate Teaching Assistant

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

Summer 2022

Software Engineer Intern

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.
- Significantly reduced codebase size by implementing responsive design to support multiple orientations.

SKILLS

Strengths

- *Languages:* HTML, CSS, JavaScript, Node.js, Python, C, C++, Java, TypeScript, SQL
- *Frameworks:* ReactJS, Terraform, MariaDB, Git, Redux.js
- *Developer Tools:* Docker, Jenkins, Microsoft Azure, VS Code, Firebase, IntelliJ, Eclipse, Figma, Invision, Sketch

Weaknesses

- Not proficient in developing large back-end applications. More confident in front-end and pipeline development.
- Still learning good management skills for small teams. Would appreciate experiences that incorporate these practices.