Maxim Hutz

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EDUCATION

Rensselaer Polytechnic Institute   Troy, New York
Bachelor of Science in Computer Science, Information Technology & Web Science   *Aug. 2021 – May 2025*
- *Cumulative GPA*: 4.0
- *Awards*: Rensselaer Leadership Award, Dean's Honor List
- *Coursework*: Data Structures & Algorithms, Software Design, User Experience, Object-Oriented Design

EXPERIENCE

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 – May. 2023
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   May. 2022 – Aug. 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.

Tightrope Interactive   Jun. 2021 – Aug. 2021
Junior Software Developer Intern   *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 | *HTML, CSS, JavaScript, PHP, Docker, MariaDB, Microsoft Azure*   Sep. 2022 – Dec. 2022
- 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 and backend API in PHP.

TECHNICAL SKILLS

Languages: HTML, CSS, JavaScript, Node.js, Python, PHP, C, C++, Java, TypeScript, SQL
Frameworks & Technologies: ReactJS, React Native, MariaDB, Git, Redux.js, React Flow
Developer Tools: Docker, Jenkins, Microsoft Azure, VS Code, Firebase, IntelliJ, Eclipse, Figma, Invision, Sketch