

Rhamsez Thevenin

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EDUCATION

Rochester Institute of Technology
Bachelor of Science in Software Engineering
3.62 / 4.00 GPA

Rochester, NY
Aug. 2020 – May 2025

EXPERIENCE

Software Engineering Teaching Assistant | *SQL, Git, Python, Flask, React, Java*
Rochester Institute of Technology

Aug. 2024 – May. 2025

- Evaluated and provided feedback on 50+ student assignments weekly, improving class average by 15% through detailed code reviews and one-on-one mentoring sessions
- Led weekly lab sessions for 30+ students on web development and distributed systems, resulting in 90% student satisfaction rate
- Developed comprehensive grading rubrics for project submissions, reducing grading time by 40% while maintaining consistency

Software Engineer Co-Op | *C#, .NET, SQL Server, Agile*
IDI Billing Solutions

Jan. 2023 — Dec. 2023

- Optimized SQL Server queries for 10+ network providers, reducing query execution time by 60% and improving data accuracy from 50% to 95%
- Implemented new calling features and database optimizations in CostGuard, supporting 5+ major telecom providers and reducing system latency by 40%
- Streamlined deployment pipeline through CI/CD integration, reducing deployment time from 4 hours to 30 minutes while maintaining 99.9% uptime

Software Engineer (Contractor) | *Next.js, TypeScript, Supabase, Vite, Figma*
Midnight Mansion

Sep. 2022 — Dec. 2022

- Engineered a semester website serving 30+ MIT students, achieving 10x faster content rendering through optimized React components and API integration
- Developed secure authentication system with role-based access control, enabling personalized peer evaluation features for 100% of students
- Managed scalable presentation platform using Next.js and Supabase, handling 500+ concurrent users with sub-100ms response times

PROJECTS

Google Drive Code Editor | *TypeScript, React, Express.js, Google Cloud*

May. 2025 – Present

- Developed a web-based code editor that integrates with Google Drive, enabling direct code editing within the browser
- Implemented Monaco Editor with syntax highlighting and code completion for 20+ programming languages
- Built secure OAuth2 authentication flow and real-time file synchronization with Google Drive API
- Architected microservices architecture with Docker and Nginx for scalable deployment and optimal performance

Three.js Font Parser Enhancement | *JavaScript, Three.js, Open Source*

Mar. 2025 – Present

- Engineered binary font parser for TTF/OTF files with glyph data extraction and font metrics support
- Optimized glyph lookup system using character mapping tables, reducing load time by 40%
- Implemented contour point extraction with kerning pairs and on-curve/off-curve calculations

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, Java, C/C++ , HTML/CSS, Rust
Frameworks: React, Next.js, Angular, Express, FastAPI, React Native, Vue, Tailwind CSS
Developer Tools: Git, Linux, Docker, AWS, Azure, GCP, Terraform, VS Code
Libraries & Databases: Node.js, MongoDB, PostgreSQL, Three.js, WebAssembly