

Rizik Haddad

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TECHNICAL SKILLS

- **Languages:** Assembly x86, Python, Java, C++, C, JavaScript, HTML, PHP, CSS, SQL
- **Databases:** SQLite, MySQL, PostgreSQL, Firebase Realtime Database
- **Frameworks:** Node.js, Express.js, Laravel
- **Architecture:** MVC Architecture, RESTful APIs
- **Tools:** Git, GitHub, IntelliJ, VS Code, NetBeans, Docker
- **Deployment:** GitHub Pages, Herd
- **GitHub:** <https://github.com/RizikH/>
- **Portfolio:** rizikh.github.io
- **LinkedIn:** [linkedin.com/in/rizik-haddad-075443266](https://www.linkedin.com/in/rizik-haddad-075443266)

EDUCATION

University of North Carolina Greensboro

Greensboro NC

Bachelor of Science, Overall Gpa: 3.16

May 2025

- Major in Computer Science, Minor in Mathematics
- Major GPA: 3.42 | Minor GPA: 3.33
- Relevant Coursework: Operating Systems, Artificial Intelligence, Computer Security, Software Engineering, Database Systems, Web Development, Theory of Computation, System Programming, Linear Algebra, Calculus I–III, Statistics

EXPERIENCE

University of North Carolina Greensboro

Greensboro NC

Computer Science TA and Tutor

January 2023 – April 2024

- Mentored students in core programming courses, including Assembly (x86) and Java
- Tutored over 100 students with personalized learning plans, debugging strategies, and assignment guidance
- Graded coursework and provided detailed feedback to reinforce concepts and improve performance
- Facilitated project development and coding problem-solving for 10's of students, earning high praise from both students and faculty

RELEVANT PROJECTS

iHive – Idea Collaboration Platform

Spring 2025

- Tech Stack: Node.js, Express, Next.js, React, PostgreSQL, Supabase, AWS S3, Tailwind CSS
- Led a 4-member team in building iHive, a GitHub-style platform for showcasing ideas and connecting with investors
- Built system architecture, delegated tasks, and reviewed code across frontend and backend
- Designed and implemented a secure file system with nested folders, S3-based file storage, and Supabase-powered metadata and user authentication
- Built and maintained RESTful APIs with MVC structure for user auth, idea repositories, file trees, and content management
- Managed GitHub Projects and version control workflows to coordinate efficient collaboration and sprint planning

Multithreaded Matrix Multiplier

Spring 2024

- Tech Stack: C, POSIX Threads
- Implemented a high-performance matrix multiplication tool using multithreading with POSIX pthread library in C
- Divided matrix computations across multiple threads to maximize CPU utilization and reduce execution time
- Handled thread creation, synchronization, and workload balancing to ensure accurate and efficient computation
- Demonstrated strong understanding of concurrency, race conditions, and parallel processing in low-level systems