Rizik Haddad

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TECHNICAL SKILLS

- **Languages:** JavaScript, HTML, CSS, SQL, Assembly x86, Python, Java, C++, C, PHP
- **Databases**: SQLite, MySQL, PostgreSQL, Firebase Realtime Database, Supabase
- **Frameworks & Architecture:** Node.js, Express.js, React.js, Next.js, GSAP, MVC, RESTful APIs
- **Tools**: Git, GitHub, IntelliJ, VS Code, NetBeans
- **Portfolio:** https://rizikh.vercel.app
- **GitHub:** https://github.com/RizikH

EDUCATION

University of North Carolina Greensboro   Greensboro NC
Bachelor of Science, Overall Gpa: 3.31   May 2025

- Major in Computer Science, Minor in Mathematics
- Major GPA: 3.40 | 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 Assembly (x86) and Java, reinforcing core programming and fundamentals
- Tutored 100+ students 1-on-1, emphasizing debugging, code structure, and problem-solving
- Evaluated and reviewed 200+ code submissions, providing detailed feedback on logic, efficiency, and edge case handling to improve student performance
- Guided development for 50+ student projects by resolving logic errors, structuring algorithms, and improving run time performance

RELEVANT PROJECTS

Personal Portfolio   May 2025 – Present

- Tech Stack: React.js, Next.js, Tailwind CSS, GSAP
- Developed using React.js, Next.js, and Tailwind CSS
- Delivers a minimalist, elegant UI with clear typography and layout
- Integrated GSAP for smooth, scroll-based animations (text reveals, NavBar transitions)
- Focused on user flow, using motion to guide attention subtly
- Engineered with a responsive design, optimized for performance and accessibility

IHive – Idea Collaboration Platform   January 2025 – April 2025

- Tech Stack: Node.js, Express, Next.js, React, PostgreSQL, Supabase, AWS S3, Tailwind CSS
- Led a team of 4 to develop iHive, a GitHub-style platform for sharing and pitching ideas
- Designed system architecture and delegated frontend/backend tasks
- Implemented secure file storage using S3 and Supabase authentication
- Built RESTful APIs with MVC structure for user auth, idea repos, and content management
- Managed GitHub Projects for task tracking, collaboration, and sprint planning

Multithreaded Matrix Multiplicator   January 2024 – April 2024

- Tech Stack: C, POSIX Threads
- Built a multithreaded matrix multiplier using POSIX pthread for high performance
- Split matrix computations across threads to maximize CPU usage and reduce run time
- Managed thread creation, synchronization, and workload balancing
- Demonstrated knowledge of concurrency, race conditions, and low-level parallelism