

# ARIAN AHMADINEJAD

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## EDUCATION

<b>McMaster University</b> Bachelor of Computer Science, <b>GPA: 4.0</b>	<b>Hamilton, ON</b> Sep 2021 – Apr 2026
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## SKILLS

**Languages:** Python, Web Development (JavaScript, TypeScript, HTML, CSS), Java, C++, C, Rust, Bash, Haskell  
**Frameworks:** React, Next.js, Tailwind, Django, FastAPI  
**Tools:** Linux, Git, Cloud Services (Google Cloud Platform, AWS), Relational Databases (SQL, PostgreSQL)  
**Design:** Prototype design with Figma, Photoshop

## EXPERIENCE

<b>Greptile</b>  Software Engineer • Improving product performance across the stack through frontend optimization, caching strategies, and enhanced backend architecture	<b>Sep 2025 – Present</b> <i>Remote</i>
<b>Vidyard</b>  Software Engineering Intern   <b>Ruby on Rails, Vue.js, Bun, TypeScript, ElysiaJS</b> • Collaborated with a fulltime team to maintain and enhance the core platform dashboard using <b>Ruby on Rails and Vue.js</b> • Increased video processing speeds by <b>10x</b> by architecting an asynchronous pipeline using <b>Bun workers</b> • Won first place in an internal hackathon by developing an MCP server enabling agentic AI interactions with Vidyard products • Contributed to an AI microservice using <b>TypeScript and ElysiaJS</b> , serving as the backend for LLM operations	<b>May 2025 – Aug 2025</b> <i>Remote</i>
<b>Bell Canada</b>  Machine Learning Intern   <b>Next.js, FastAPI, PostgreSQL, Python</b> • Led creation of a fullstack generative AI app, resulting in <b>65%</b> cost reduction by customer simulation, <b>winning Innovation Award</b> • Collaborated cross-functionally to scale the app for <b>5,000+</b> customer support agents, using <b>Next.js, FastAPI, and PostgreSQL</b> • Improved agent's performance by <b>30%</b> , utilizing Gemini's tool calling and dynamic rubrics to provide personalized feedback • Achieved <b>85%</b> code coverage for backend by creating a comprehensive testing suite using <b>Pytest</b>	<b>May 2023 – Aug 2024</b> <i>Toronto, ON</i>
<b>DeltaHacks</b>  Technical VP   <b>tRPC, Prisma, Vercel</b> • Managed <b>7</b> developers building a stack ranking based judging platform, streamlining <b>30+</b> judges' evaluation of <b>100+</b> projects • Integrated <b>TRPC, Prisma, and Vercel functions</b> which <b>scaled</b> the backend to handle <b>10,000+</b> requests throughout the year • Developed a graph-based matchmaking tool that paired over <b>500</b> hackers into compatible teams based on interest and skillset	<b>Jul 2022 – Present</b> <i>Hamilton, ON</i>
<b>McMaster University</b>  Teaching Assistant   <b>Python, C, Bash, Linux</b> • Optimized grading process for <b>1,000+</b> course materials (labs, assignments, exams) by developing <b>Python and Bash</b> scripts • Taught <b>Python, C, Bash, and Linux fundamentals</b> to <b>100+</b> students through tutorials and labs	<b>Jun 2022 – Dec 2024</b> <i>Hamilton, ON</i>

## PROJECTS

**GitFaster - Fast GitHub client** | **Next.js Global Hackathon winner** 

**Next.js, TypeScript, React, PostgreSQL, Redis, Drizzle ORM, GitHub API**  
• Accelerated user interactions by **3x** by implementing just-in-time prefetching on link hover and intelligent caching strategies  
• Optimized GitHub API integration with smart caching mechanisms to minimize redundant requests and improve response times

**McOutline - Find and share course outlines** 

**Next.js, React, TypeScript, Tailwind CSS, tRPC, GitHub**  
• Built a fullstack app for students to upload, and browse course outlines, solving the lack of a centralized archive  
• Implemented local-first uploads with **OPFS** and GitHub object storage for zero-cost durability

**WebAssembly IDE** | **Browser-based WASM Development Environment** 

**WebAssembly, Monaco Editor, Shadcn, TypeScript, React**  
• Built an online IDE for writing **WebAssembly** code with **Monaco Editor** providing syntax highlighting and code completion  
• Implemented in-browser compilation and execution of WASM code with real-time console output