

ARIAN AHMADINEJAD

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EDUCATION

McMaster University

Bachelor of Computer Science, **GPA: 4.0**

Hamilton, ON

Sep 2021 – Apr 2026

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

[Greptile ↗](#)

Sep 2025 – Present

Remote

Software Engineer

- Improving product performance across the stack through frontend optimization, caching strategies, and enhanced backend architecture

[Vidyard ↗](#)

May 2025 – Aug 2025

Remote

Software Engineering Intern | **Ruby on Rails, Vue.js, Bun, TypeScript, ElysiaJS**

- Collaborated with a fulltime team to maintain and enhance the core platform dashboard using **Ruby on Rails and Vue.js**
- Increased video processing speeds by **10x** by architecting an asynchronous pipeline using **Bun workers**
- 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 **TypeScript and ElysiaJS**, serving as the backend for LLM operations

[Bell Canada ↗](#)

May 2023 – Aug 2024

Toronto, ON

Machine Learning Intern | **Next.js, FastAPI, PostgreSQL, Python**

- Led creation of a fullstack generative AI app, resulting in **65%** cost reduction by customer simulation, **winning Innovation Award**
- Collaborated cross-functionally to scale the app for **5,000+** customer support agents, using **Next.js, FastAPI, and PostgreSQL**
- Improved agent's performance by **30%**, utilizing Gemini's tool calling and dynamic rubrics to provide personalized feedback
- Achieved **85%** code coverage for backend by creating a comprehensive testing suite using **Pytest**

[DeltaHacks ↗](#)

Jul 2022 – Present

Hamilton, ON

Technical VP | **tRPC, Prisma, Vercel**

- Managed 7 developers building a stack ranking based judging platform, streamlining **30+** judges' evaluation of **100+** projects
- Integrated **TRPC, Prisma, and Vercel functions** which **scaled** the backend to handle **10,000+** requests throughout the year
- Developed a graph-based matchmaking tool that paired over **500** hackers into compatible teams based on interest and skillset

[McMaster University ↗](#)

Jun 2022 – Dec 2024

Hamilton, ON

Teaching Assistant | **Python, C, Bash, Linux**

- Optimized grading process for **1,000+** course materials (labs, assignments, exams) by developing **Python and Bash** scripts
- Taught **Python, C, Bash, and Linux fundamentals** to **100+** students through tutorials and labs

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