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# Arian Ahmadinejad

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## EDUCATION

### McMaster University

Sept 2021 — Apr 2026

*Bachelor of Computer Science | GPA: 4.0*

- Relevant courses on Data Structure and Algorithms, Software Development Principles, Formal logic and Discrete Math
- Provost Honour Roll and Dean's honour roll for achieving a GPA of 4

## SKILLS

Languages	Python, C++, C, Bash, Java, Haskell, Rust, JavaScript, Typescript, HTML, CSS
Frameworks	React, Next.js, Tailwind, Django
Tools	Linux, Git, Cloud Services (GCP, AWS), Relational Databases (SQL, PostgreSQL)
Design	Prototype design with Figma, Photoshop

## WORK EXPERIENCE

### Software Engineering/ Machine Learning Intern

May 2023 — Present

*Bell Canada | Python, VertexAI(GCP), LLM, React, Fastapi, Big Query, Cloud Run*

Toronto, ON

- Created a **full stack generative AI** app based on **Google Gemini** that improved and lowered the cost of training agents by **65%**
- Collaborated with a team of **5** to scale the project across the organization and to be used by **5000+** agents
- Improved the **LLM** model performance by **prompt tuning** and providing access to internal data through **RAG** techniques

### Teaching Assistant

June 2022 — May 2023

*McMaster University | Python, Bash, PostgreSQL, Discord API*

Hamilton, ON

- Optimized grading process for **1000+** 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

## EXTRACURRICULAR EXPERIENCE

### Technical VP / Technical Executive

May 2024 — Present / Jul 2022 — May 2024

*DeltaHacks | Next.js, TRPC, Prisma, Netlify, Tailwind, NextAuth.js, Typeform, PostgreSQL*

Hamilton, ON

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

### Technical Manager

May 2022 — Present

*McMaster Computer Science Society | React, Linux, Docker, DevOps*

Hamilton, ON

- Streamlined **DevOps** infrastructures used by **200+** executive and general members
- Achieved **80%** more website traffic by implementing a minimal and intuitive design in **React**
- Saved **\$250/year** by implementing a **self-hosted** Bitwarden password management solution

## PROJECTS

### Arian.gg | Personal website

*Next.js, React, Tailwind, Python, Google Gemini, LLM, Sanity.io*

- Designed and developed a minimalistic and responsive personal website using **React** to showcase my projects and skills
- Created a blog using **Sanity.io** to share thoughts and technical deep dives
- Integrated a digital persona, leveraging **Google Gemini 1.5** to enable unique and innovative viewer interactions

### Bluey | Waitlist queue management discord bot

*Python, PostgreSQL, SQLAlchemy, Py-cord*

- Developed a discord bot to track **5000+** users' activity to foster an active community and fair distribution of waitlist invites
- Employed a **PostgreSQL** database to store user data, queue status and to provide a realtime leaderboard for transparency

## HACKATHONS

### Dash - All in one dashboard for digital life

*GCP, Next.js, React, Typescript, Tailwind, Prisma ORM, Cockroach DB*

- Integrated with Yahoo, Github and Google APIs such as **Gmail, Calendar** to provide realtime updates
- Implemented a custom grid component in React to allow maximum user customizability

### Consensus - Alternative measure of product quality

*Cohere AI, Python, Scikit-learn, Numpy, Scrapy*

- Achieved better product quality measure by scraping **20k+** amazon reviews and using **NLP** to generate **10** key points per product