Arian Ahmadinejad

Computer Science Student

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EDUCATION

McMaster University   **Sept 2021 — Apr 2025**
Bachelor of Computer Science | GPA: 4.0
- Industry relevant courses on Data Structure and Algorithms, Software Development Principles, Formal logic and Discrete Math

Earl Haig Secondary School, High school Diploma   **Sept 2019 — July 2021**

SKILLS

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

EXPERIENCE

Teaching Assistant   **June 2022 — Present**
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
- Deployed a **PostgreSQL** database and **discord bot** to authenticate **100+** students
- Lead several C programming tutorial sessions for **50+** students

Technical Executive   **Jul 2022 — Present**
DeltaHacks | Next.js, TRPC, Prisma, Netlify, Tailwind, NextAuth.js, Typeform, PostgreSQL   *Hamilton, ON*
- Optimized registration portal used by **2500+** applicants each year by migrating from Vue.js to **Next.js**
- Integrated the **TRPC, Prisma, and Netlify functions** stack which **scaled** the back end to handle **10k+** requests throughout the year
- Ensured privacy security of **thousands** of upcoming applicants by implementing Oauth using **NextAuth.js**

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
- Hosted a Hacktoberfest to aid **20+** club members learn about **open source** and **teamwork**

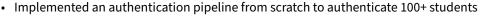## PROJECTS

TestFlight Tracker | Track beta iOS app invites
Python, BeautifulSoup, Gmail API, Telegram API, discord API, Simplepush API
- Scraped data from Apple's website using BeautifulSoup Library
- Leveraged several **APIs** to notify the user about available spots

Ryan-Jr | Student email address verification bot
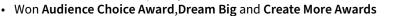*Python, Gmail API, PostgreSQL, SQLalchemy, Discord API*
- Implemented an authentication pipeline from scratch to authenticate 100+ students
- Designed a **PostreSQL** database to match discord bot requests to receive a Gmail API verification magic link

HACKATHONS

HackDex - An online hackathon mentorship platform
React, Firebase, GCloud, Express.js, Discord Auth
- Won **Audience Choice Award**,**Dream Big** and **Create More Awards**
- Developed a prototype using **React** and **Express.js** to integrate discord Oauth

Consensus - Alternative measure of product quality
Cohere AI, Python, Scikit learn library, Numpy, Scrapy
- Showcased at private meeting with the creators during and after the hackathon
- Achieved better product quality measure by scraping 20k+ amazon reviews and using **NLP** to generate 10 key points per product