

Aidan Gomar

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EDUCATION

McGill University

Bachelor of Arts in Computer Science

Montreal, QC

Sept 2020 – May 2025

Relevant Coursework: Concurrent Programming, Operating Systems, Data Structures and Algorithms, Functional Programming, Applied Machine Learning, Distributed Systems, Formal Verification, Compiler Design, Computer Networks, Database Systems, Cloud Computing

EXPERIENCE

Amazon

Software Development Engineer Intern

Vancouver, BC

May 2023 – July 2023

- Designed and implemented a AWS Billing Console service to optimize and scale features used by +1M daily active users
- Deployed and designed Lambdas, CDK Pipelines, and service architectures
- Implemented and deployed critical bug fixes as well as feature requests

McGill Computer Science Undergraduate Society

Helpdesk Tutor, Industry Mentor

Montreal, QC

Sept 2022 – May 2023

- Tutored students in a variety of classes, such as functional programming, data structures and algorithms, operating systems, concurrent programming, and introduction level computer science classes
- Worked with a team of students to help them build a capstone project, prepared and presented a lecture on full-stack application security, and held weekly office hours

Fairfield County Bank

Technology Intern

Ridgefield, CT

June 2021 – Aug 2021

- Wrote a PowerShell script to automate the configuration of new laptops and desktops
- Configured and installed smart power distribution strips and battery backup systems, manually assigned IPs, configured SSH and implemented security measures

American Info Systems

Computer Field Technician

New York, NY

May 2021 – Aug 2021

- QA tested 100+ workstations for Facebook, Citadel Securities, and Jefferies
- Guided the IT setup and onboarding process for 20+ interns at Bloomberg

PROJECTS

Container Orchestration Engine | *Docker, HAProxy, FastAPI, Etc, Python, JavaScript*

- Built a distributed cloud from scratch hosted on a series of VMs complete with Docker for containerization, HAProxy for L7 load balancing, FastAPI for API management, an elasticity manager, and a dashboard written in React.js

Bitcask KV-Store | *Go, Bitcask*

- Built a key-value store in Go by implementing the Bitcask storage engine from scratch

ERC-721 Profit/Loss Tracker | *JavaScript, React.js, Next.js, Infura, Web3.js*

- Developed an application which outputs data on the cumulative profit/loss from buying/selling ERC-721 tokens of any valid Ethereum wallet address using Next.js with Infura/Web3.js

McGill Poker Studies Club

Founder, President

Montreal, QC

Sept 2020 – Present

- Entered McGill into various sponsored tournaments such as Poker IPA (\$40,000 USD prize pool), World College Poker (\$50,000 USD prize pool) and the Canadian Intercollegiate Poker Tournament

TECHNICAL SKILLS

Languages: Go, C++, Elixir, Java, Typescript/React, Python, SQL, Bash, Haskell, OCaml

Interests: Functional Programming, Philosophy, Poker Theory, Classical Music, Viola