Aidan Gomar

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EDUCATION

McGill University   Montreal, QC
Bachelor of Arts in Computer Science   *Sept 2020 – May 2024*
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, Advanced Database Systems (CMU 15-721)

EXPERIENCE

Amazon   Vancouver, BC
Software Development Engineer Intern   *May 2023 – August 2023*
- AWS Billing Console Team

McGill Computer Science Undergraduate Society   Montreal, QC
Helpdesk Tutor, Industry Mentor   *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   Ridgefield, CT
Technology Intern   *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   New York, NY
Computer Field Technician   *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, Etcd, 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

Distributed KV-Store | *Go, Bitcask*
- Built a distributed, fault-tolerant key-value store similar to etcd in Go by implementing the Bitcask storage engine

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   Montreal, QC
Founder, President   *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: Haskell, Elixir, Typescript/React, Python, Java, C/C++, Bash, OCaml, Solidity, SQL
Interests: Functional Programming, Blockchain, Philosophy, Poker Theory, Classical Music, Viola