Cameron **Faith**

Software Engineer

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Known Languages

Python

C / C++

React / ExpressJS

C# / Unity

Java

Key skills

GitHub CI/CD

AR Plane detection

Full-stack Development

REST API

AWS / Google Cloud

Kubernetes

Dockerfile

PyTorch

Achievements

Co-Authored patent for a Remote Multiplayer AR software design.

Louise McKinney Scholarship

Developed a trading bot in Python that beats a buy and hold strategy

Built an AC Cobra kit car from the ground up

Objective

Computer engineer seeking a role to expand my expertise in product development and AI.

Education

2017-2022 │ University of Calgary, Calgary
Bachelor of Science, Electrical Engineering **w/ Computer Minor** GPA **3.87**

Notable Project Experience

Ai Lofi Radio (In Progress)
- Trained Deep NN to output new life-style beats in realtime using PyTorch.
- Hosted in GCP on Cloud Run for 24/7 uptime

OpenSea Web-Viewer
- Developed a showcase UI / 3D player for viewing the generated assets.
- Ability to showcase 11,111 unique 3D assets with over 20 unique live physical and lighting environments.

Crypto Trading Platform
- Created a web-tool for users to test various trading strategies on crypto using fake money.
- Implemented a back testing tool to allow users to test various trading algorithms together over historical data.

Trading Bot
- Developed a back testing software in Python to test various strategies.
- Used a bot connected to an exchange's API to validate the strategy live.

Work Experience

May 2022–Current *Mobile App Developer* / Jadu AR

- Individually created a QA website in React for faster asset iteration
- Setup and designed a Matchmaking Server in Kubernetes
- Designed an IPFS Kubernetes Cluster for hosting our NFT asset data
- Developed an algorithm for syncing AR Plane data across two clients
- Collaborated on a Character Generation Pipeline in ExpressJS / Python for randomly generating uniquely random assets for Opensea

May 2020–Sept. 2021 *Project Development Co-op* / Enbridge

- Developed automated reports using Power BI and Power Automate.
- Aided in the development of the company database and managed a team project list in a MS SharePoint List.
- Completed development work on Offshore Wind Projects in France, Scotland, and Poland.

Club Experience

2017–2021 *Suspension Team Member* / U of C SAE Formula Racing

- Developed software using MATLAB to visualize the car's lap data.
- Worked with other mechanical team members to evaluate tyre designs and model their dynamic properties in MATLAB to select the optimal tyre size.

Sep. 2018–May 2019 *Student Member* / Embedded in Embedded

- Learned about embedded systems and wrote firmware for a custom Razor Atmel development board in C.