

YIFAN (EVA) LIN

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EDUCATION

McGill University

Montreal, QC, Canada

Bachelor in Computer Science & Statistics (GPA: 3.48/4.0)

2022 - 2026 (Expected)

Relevant courses: Algorithms and Data Structures, Software & Computer Systems, Programming Languages and Paradigms

TECHNICAL SKILLS

- **Languages:** Python, Java, C, R, Bash, HTML, CSS, JavaScript, UML, MIPS Assembly, OCaml
- **Frameworks & Technologies:** MongoDB, SQL, Pandas, NumPy, ReactJS, Tailwind, Flask, ExpressJS, NodeJS, Dash, Plotly, Streamlit, RESTful API
- **Development Skills:** Data Structures and Algorithms, Object-Oriented Programming, Test-Driven Development
- **Developer Tools:** OpenAI, VS Code, IDEA, Vite, Git, GitHub, Ngrok, Postman, Cloudinary
- **Languages Spoken:** English, French, Mandarin

EXPERIENCE

Data Analyst Intern | Python, Dash, Plotly, MongoDB

May 2023 - Aug 2023

BuildCoo Technology - Fuzhou, China

- Independently built the Douyin e-Commerce Advertising Data Analysis Dashboard, a visual interactive tool offering campaign insights, using Python, Requests, Dash, Plotly and MongoDB. Guided by a mentor.
- Segmented the project into **three iterative phases** for tackling new technology challenges and business needs. Delivered a basic functional software version mid-project, recognized by my mentor and the advertising team.
- Gained experience in **communicating with business stakeholders**, understanding their needs, and delivering aligned software features.
- Developed working knowledge in advertising data analysis, **translating business challenges into software requirements**, and applying relevant technologies.

PROJECTS

Midjourney & DALL-E Clone | MERN stack, Tailwind, OpenAI, Vite, Cloudinary | [Github](#)

Feb 2024 - Present

- Created an AI-driven web application for generating visual content, leveraging the **MERN stack**, **OpenAI's DALL-E** and **Cloudinary**, inspired by the capabilities of MidJourney and DALL-E.
- Gained experience in both **full-stack development** and AI integrations, especially experienced in web front-end development using **ReactJS**, **Tailwind CSS**, and **Vite**.

McHacks 11: Virtual Doctor ChatBot | Python, Gradio, OpenAI, Langchain | [Github](#)

Jan 2024

- Developed an avant-garde, AI-powered web application providing humorous and unconventional medical advice for entertainment. Utilized **OpenAI** API and **Langchain** library, aiming to merge humour with technology.
- Employed **Gradio** for frontend development to create an interactive and user-friendly interface.

Slack CoinBot | Python, Bolt (Slack API SDK), MongoDB | [Github](#)

Nov 2023 - Dec 2023

- Created CoinBot for Slack, facilitating coin account operations via Slash Commands. Used **Slack API** for command detection and **MongoDB** for backend transaction processing.
- Enhanced my experience in developing both Pull and Push web APIs, and in implementing security measures in web API design.

Douyin e-Commerce Ads Dashboard | Python, Dash, Plotly, MongoDB | [Github](#)

May 2023 - Aug 2023

- Created a dynamic, visual data analytics dashboard using **Dash** and **Plotly**. Optimized data loading processes through multi-threaded batching, achieving a 50% reduction in average load times.
- Developed an automated module for real-time data collection and processing of advertising account data. Utilized Python **Requests** library to fetch campaign data from Douyin's marketing APIs, storing the data in **MongoDB**.