

# Chetan Vig

Edmonton, Alberta, Canada

[cvig@ualberta.ca](mailto:cvig@ualberta.ca) | +1(365)883-2406 | [github.com/vigchetan](https://github.com/vigchetan)

Highly motivated Computer Science student at the University of Alberta with experience in front-end development and AI/ML integration. Passionate about leveraging AI tools to enhance user experiences and streamline development workflows. Seeking a Marketing Front-End AI Co-op position at Revvity to contribute to building innovative and accessible web applications.

## Skills

- **Front-End Development:** HTML, CSS, JavaScript, React, REST APIs, Responsive Design, Cross-Browser Compatibility
- **AI/ML:** LLMs Context Engineering, RAG, Prompt Engineering, Integration of AI Services (Chatbots, Content Generation), AI Accessibility Considerations
- **AI Tools:** GitHub Copilot, ChatGPT, Claude, MCP / MCP SDK
- **Programming:** Python, C (C99), TypeScript, SQL, Data Structures Algorithms, OOP
- **Tools & Technologies:** Git, Linux CLI, Docker, Streamlit, PyTest, PostgreSQL, AWS (learning)

## Experience

### MacEwan Residence - MacEwan University

*MacEwan Residence*

Edmonton, Alberta

November 2024 – Present

- Provided customer service for students and guests, handling check-ins, check-outs, and inquiries.
- Maintained organized records, managed mail and packages, and assisted with administrative tasks.
- Facilitated seamless guest and student experiences by efficiently addressing inquiries and coordinating check-ins and check-outs.

## Projects

### Clubmate AI - Ongoing

*Undergraduate Artificial Intelligence Society* |

[github.com/UndergraduateArtificialIntelligenceClub/Clubmate-AI](https://github.com/UndergraduateArtificialIntelligenceClub/Clubmate-AI)

September 2025 – Present

- Developed an Async Python service bridging an LLM via Model Context Protocol (MCP) to execute 17 standardized API tools for server automation, enhancing web application capabilities.
- Implemented strict Role-Based Access Control (RBAC) using Discord roles for tool permissions, ensuring data reliability across all inputs using Pydantic schema validation.
- Reduced club administrative burden by an estimated 80% (scheduling, moderation, outreach) using AI-driven automation, freeing leadership time and measurably increasing member engagement.
- Technologies: Python, MCP SDK, LLMs (OpenAI standard), Pydantic, Async/Await

## **Involved**

### **Perplexity**

#### *INVOLVEMENT*

Edmonton, Alberta

September 2025 – Present

- Promoted Perplexity's Comet browser on campus through creative grassroots events and outreach.
- Collaborated with the growth team and student strategists to boost awareness and signups, distributed branded materials, and gathered feedback.
- Developed marketing and communication skills in a fast-paced, tech-driven environment.

## **Education**

### **University of Alberta**

Bachelor of Science, Computer Science

Edmonton, Alberta

Expected 2027