

Kevin Chau

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EDUCATION

Western University

London, ON

Bachelor of Science, Specialization in Computer Science

Sept 2021 – April 2025

Relevant Coursework: Data Structures and Algorithms, Computer Networks, Databases, Object-Oriented Design and Analysis, Organization of Programming Languages

EXPERIENCE

Western University

London, ON

Work Study Student

September 2024 – Present

- Assisted in the research and development of an MQTT-based IoT system utilizing ESP modules to collect and transmit data from harsh environments.
- Implemented HiveMQ to establish connections with MQTT devices, enabling efficient data transmission and reception from the cloud to support IoT system integration.

HitMeUp.ai

Remote

Software Engineering Intern

May 2024 – Sept 2024

- Led the development of a chat widget feature, enabling experts to embed our platform into their websites. This solution increased lead generation activity by **22%** for experts.
- Implemented a timestamping feature for the inbox, enabling accurate tracking of message history and improving user experience.
- Overhauled the settings page to improve user experience, managing both frontend and backend updates. Designed new database tables and implemented enhanced features for seamless account personalization and management.

WesternAI Club

London, ON

Senior Director of Communications

October 2022 – May 2024

- Discovered a user pain point and implemented a feature for users to easily sign up and add club events to their google calendar using the Google Calendar API in React.
- Allowed users to enable push notifications to notify them on the latest events boosting engagement by implementing a Cron Job.
- Refactored the codebase from Bootstrap to React.js, leveraging server-side rendering to improve page load times by **20%**. This transition resulted in a more modular and maintainable architecture, reducing code duplication by **30%**.

ScratchCoding4Kids

Scarborough, ON

Python Tutor

March 2022 – September 2022

- Developed a Python fundamentals curriculum for 10+ students in grades 5-12.
- After course completion, students understood OOP practices, built intermediate scripts such as games, and learned to use third party libraries such as Numpy and Turtle.
- Collected valuable feedback from parents of our students to enhance and refine our course for future cohorts.

PROJECTS

Uplifted Echoes

November 2023 – January 2024

- Developed a real-time news website using NextJS, TypeScript, and Tailwind CSS.
- Categorized news articles for easier navigation of organization.
- Implemented search functionality, allowing users to find news articles by topic or keyword.

Air Pollution Detector

September 2023 – December 2023

- Developed an air pollution detection tool that helped to inform and notify users on the air quality in any given location.
- Utilized a Raspberry Pi for the hardware and software used C++ and React for the front end.
- Implemented a database using SQLite to seamlessly retrieve and save air readings from the Raspberry Pi.

TECHNICAL SKILLS

Languages: Java, Javascript, TypeScript, Python, C/C++, SQL, HTML/CSS

Frameworks: React, Django

Developer Tools: Git, Visual Studio Code, Figma, Node.js