

ALVIN CAO

Toronto, Ontario

☎ 647-862-3772

✉ alvin.cao@mail.utoronto.ca

🌐 [linkedin.com/in/ac-alvin-cao](https://www.linkedin.com/in/ac-alvin-cao)

🐙 github.com/AlvinCao88

EDUCATION

University of Toronto Scarborough

Honours Bachelor of Science in Computer Science Specialist

Sep. 2022 – Present

Toronto, Ontario

TECHNICAL SKILLS

Languages: Python, Java, C, HTML/CSS, JavaScript, SQL, React

Tools: VS Code, Eclipse, Android Studio, Git, Lucid Charts, Jira, Firebase, Figma, Microsoft Office

Technologies/Frameworks: Linux, GitHub, JUnit, TensorFlow

RELEVANT EXPERIENCE

Fake:It | *Python, JavaScript, React, API*

Oct. 2023

- Developed an interactive AI system that analysed facial expressions and captured speech to provide personalized feedback based on various personas/characters to enhance and boost the confidence and emotional well-being of students
- Achieved 17th place ranking out of 300+ hackers with 80+ projects at Hack the Valley 8
- Created a responsive and user-friendly web interface using HTML, JavaScript, and Tailwind CSS to improve the user experience
- Integrated multiple APIs to enhance the functionality of the interactive AI system, allowing it to provide personalized feedback
- Implemented machine learning models with TensorFlow to accurately analyze and interpret facial expressions

Market Place Application | *Java, Android Studio*

Aug. 2023

- Developed an Android App using Java and Android Studio to facilitate between store owners and shoppers for order placement and fulfillment
- Processed user-provided information in the app's back-end to establish connections with a real-time database, FireBase
- Improved the application's UI using the layout editor to ensure smooth interaction between different scenes by 60%

Battery Life Model | *Python*

Feb. 2023

- Designed a battery life prediction model using Python to predict the remaining life span of a battery given a data set of battery attributes with an accuracy of 90%
- Applied regression algorithms to create a predictive model
- Ranked top 10 out of 20+ teams in the DS3's Datathon club competition

Lost in The Valley | *Python, C#*

Oct. 2022

- Collaborated in a 4-member team to design and implement a path-finding algorithm using C# and Python for optimizing routes between two destinations
- Explored the use of domain addresses and contributed to website development in Hack the Valley 7

OTHER EXPERIENCE

Food World Chinese Restaurant

Sep. 2018 – Sep. 2022

Team Manager

San Juan, Trinidad and Tobago

- Managed a team of customer service representatives, resulting in a 20% increase in customer satisfaction ratings
- Provided training and mentor-ship to employees, fostering a customer-centric culture that resulted in improved service quality
- Collaborated with kitchen staff and front-of-house teams to streamline service processes and ensure a seamless customer experience
- Managed and maintained the food sales operation and food service, enhancing efficiency and consistency
- Efficiently delegated tasks within the team, ensuring a smoothly run food customer service operation

CMS Ambassador

Sep. 2023 – Present

CMS Representative

Toronto, Ontario

- Assisted and provided information about the Computer Science, Math, and Stats department and UTSC to prospective students at OUF 2023, attended by 80,000+ students
- Showcased leadership and professionalism by promoting CMS to current students and actively contributing to events