

Fleming Yip

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Computer science student at UBC passionate about software development and machine learning

EDUCATION

University of British Columbia
Bachelor of Science in Computer Science

Vancouver, BC
Sep. 2023 – May 2027

Chinese International School
International Baccalaureate Program

Hong Kong SAR
Aug. 2017 – May 2023

PROJECTS

App Development 2020 – Present

- Led a team of 5 to create and integrate a full stack [application](#) that allows students at Chinese International School to sell and buy second-hand textbooks using a database
- Developed a full stack android [application](#) that allows users to screen all stocks in the New York Stock Exchange using customizable requirements and parameters, including a database account system
- Developed a full stack carpool finder [application](#) designed for the use of Chinese International School students

Machine Learning 2021 – Present

- Developed machine learning programs and invested in the New York Stock Exchange with the highest annual return being 27%, with a comprehensive [research paper](#) detailing the comparison between the effectiveness of two machine learning algorithms
- Developed a [tool](#) to predict the price of a laptop given its specifications using machine learning, data analytics and visualization techniques in a team of 4

EXPERIENCE

UBC Solar - Engineering Design Team Sep. 2024 – Present
University of British Columbia Vancouver, BC

- Worked as part of the Race Strategy sub-team focused on optimizing car performance
- Developed software using Python to analyze and simulate car activity
- Integrated algorithms with firmware, collaborated with other sub-teams

Undergraduate Teaching Assistant Sep. 2024 – Dec. 2024
University of British Columbia Vancouver, BC

- Worked as a TA for the introductory computer science course CPSC 110
- Led student labs, helping teach concepts and clarify theory
- Hosted office hours and completed administrator tasks

Simatelex Manufactory Co. Ltd July 2021 – August 2021
Summer Intern Hong Kong SAR

- Conducted market research through literature and competitor analysis
- Utilized data science tools to perform data analysis
- Collaborated with the design team to pitch a new product

Academic Programs April 2022 – August 2022
University Programs Hong Kong SAR

- Researched in the PolyU Junior Researcher Mentoring Programme 2022 in the “Design and Development of a Fuel Cell Powered Toy Car” program at the Hong Kong Polytechnic University
- Member of The University of Hong Kong Academy for the Talented. Participated in the STEM Data Science Bootcamp and led group in pitching a business deck revolving around preventing strokes using machine learning

TECHNICAL SKILLS

Languages: Java, Python, C++, HTML/CSS, R

Developer Tools: Git, Android Studio, VS Code, Jupyter Notebook, IntelliJ, Eclipse

Libraries: pandas, NumPy, Matplotlib