

# Fleming Yip

University of British Columbia ('2027), Vancouver, BC

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

## PROJECTS

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### Software Development

- 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 [app](#) designed for the use of Chinese International School students
- Programmed mods for video games and created an original Discord bot to organize gaming sessions
- Developed websites for personal use, including a [todo](#) website, [pong](#) website, [prototype](#) website for an online marketplace

### Machine Learning

- 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

## EXPERIENCES

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### Work/Academic

- Worked as a summer intern for Simatelex Manufactory Co. Ltd in the market research department. Collaborated with the design team, analyzed competing products and market trends using data science tools, and pitched a new product to the design and market research departments
- 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
- Participated 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
- Attended multiple Model United Nations conferences, winner of the Most Improved Delegate award

### Competitions

- Selected to represent high school in the Hong Kong Olympiad in Informatics
- Participated in multiple online programming competitions such as Google Kickstart
- Ranked 11th in Asia in the Columbia Business School Venture For All® Model Entrepreneur® Competition. Elected Chief Financial Officer of our group, created a business model, conducted financial analysis and forecast

## ADDITIONAL SKILLS

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- Fluent in Java, C++, Python, Git
- Fluent in English, Mandarin; Conversational in Spanish, Cantonese