

EDUCATION	<i>Bachelor of Engineering</i> , Industrial Engineering and Decision Analytics Hong Kong University of Science and Technology, expected June 2021 Concentration: Financial Engineering Minor: Math
SKILLS	<i>Computer Languages:</i> C++, Python, R, Javascript/Nodejs, SQL, Bash/shell. <i>Operating Systems:</i> Linux/Unix, Windows, FreeBSD.
EXPERIENCE	<div><div><i>Data Science Intern, Risk Division</i>Dec 2019 - Feb 2020</div><div>Société Générale<ul style="list-style-type: none">• Conducted research on time series classification techniques.• Implemented new model for detecting anomaly patterns in market risk involving the use of a convolutional neural-network based approach with some novel feature extraction techniques. Improved overall performance by 30%.• Developed visualization tools for various market risk performance metrics.• Worked on web application (using and React and Flask) for displaying market monitoring tools.</div><div><div><i>Analyst Intern, Aviation Weather Services Department</i>June 2019-July 2019</div><div>Hong Kong Observatory<ul style="list-style-type: none">• Explored the use of vertical profiles from numerical weather predictions in local aviation applications.• Performed noise reduction/filtering on atmospheric sounding observation data for geospatial analysis.• Implemented machine learning model for lower/medium atmospheric level weather forecasts.</div><div><div><i>Robotics Mentor (Volunteer)</i>Jan 2019-Mar 2019</div><div>Carmel School Association Elsa High School, Hong Kong<ul style="list-style-type: none">• Guided and lead in hardware as well as software development for robotics team.• Directed team in design and construction of the robot in preparation for FRC 2019 competition (New York).</div></div></div></div>
PROJECTS	<div><div><i>CH-Term</i><ul style="list-style-type: none">• Lightweight terminal emulator for linux operating systems written in C++.• Inspired by rxvt-unicode and has XIM support, 256 colors/true colors, and multiple fonts.</div><div><i>Termcolor</i><ul style="list-style-type: none">• Developed web app (using Flask) for generating color schemes from images using k-means clustering.</div></div>
EXTRA-CURRICULAR ACTIVITIES	Hong Kong Techathon Champion (Big Data and Fintech Category) 2019, JPMorgan Code for Good (Hackathon) Finalist (2019), CEMC Canadian Computing Competition District Champion (2017), CEMC Euclid Distinction (2017), UKMT Senior Math Challenge Gold (2016)