Michael Mak

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Skills & Qualifications

- CFA Level II Candidate, Passed CFA Level I
- Completed the Canadian Securities Course
- Able to build Linear, Ridge, LASSO, Random Forest and Neural Network models
- Knowledgeable in using cloud computing resources based around Jupyter framework
- Experienced in developing quantitative analysis and visualization tools using **Python** with NumPy, Pandas, and Python ecosystem, as well as **SQL** and **R**
- Advanced proficiency in **Excel** and **VBA** for data analysis working as a Market Analyst at CMHC.
- Developed quantitative investment models based on statistical anomalies

Education

Bachelor of Arts in Economics, Minor in Commerce   Sept 2015 to May 2019
University of British Columbia, Vancouver, BC

- Awarded the W. Erwin Diewert Prize in Applied Economics (2019)
Papers:
- *Federal Open Market Committee Statements, Sentiment and the United States Stock Market* for ECON490 available at http://www.michael-mak.com/
Activities:
- Co-President UBC Quant Finance Club (2016-2018)

Bachelor of Business Administration Program
Langara College, Vancouver, BC   Jan 2014 to Apr 2015

- Dean's List 2014
- Transferred to the University of British Columbia

Professional Experiences

Canada Mortgage and Housing Corporation   Jun 2017 to Aug 2018
Market Analyst Co-op, Market Analysis Centre/Housing Markets and Indicators

- Led development of a SQL-based relational database system encompassing 20 years of resale data in British Columbia, resulting in new analytical capabilities
- Built interactive dashboards, maps, and data visualization tools using Python to analyze micro data
- Conducted feasibility analyses of a dozen multi-unit rental buildings valued above $10m each, in major British Columbian metropolitan areas
- Worked with a national housing team on analyzing municipal policies and financial statements to tackle housing supply issues

Department of National Defence   May 2018 to Present
Administration Officer, Cadet Organizations Administration and Training Service

- Led mixed adult and cadet staff in managing unit Administrative department
- Improved unit operational efficiencies in personnel management by integrating Excel spreadsheets and available DND resources
- Appointed as a Director of Music for music programs in local units
- Awarded "Officer of the Year" award in 2018