

# Yufei Xia

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| PROFILE               |                 | A student who is passionate about combining different subject areas in search of possibilities to integrate knowledge. Interested in interdisciplinary learning and enjoys communicating with others to learn about the commonalities and differences between different disciplines. A quick learner and fast adopter of technological changes.  |
| EDUCATION             | 2015-2019       | <b>University of Western Ontario</b><br><i>BACHELOR OF SCIENCE, HONOURS SPECIALIZATION IN FINANCIAL MODELLING</i><br><i>Relevant Coursework:</i><br><i>Financial Mathematics, Derivatives, Probability Theory, Mathematical Statistics, Multivariate Calculus, Ordinary Differential Equation, Partial Differential Equation, Numerical Analysis, Advanced Linear Algebra, Optimization, Stochastic Process.</i>   |
|                       | 2017-2019       | <b>University of Western Ontario</b><br><i>BACHELOR OF SCIENCE, MAJOR IN DATA SCIENCE</i><br><i>Relevant Coursework:</i><br><i>Data Structure and Algorithms, Statistical Programming, Programming, Databases, Regression, Study Design, Project Management, Machine Learning, and System Programming.</i>   |
| WORK EXPERIENCE       | 2017            | <b>International and Exchange Student Centre</b> , University of Western Ontario<br><i>IESC Events and Administrative Assistant</i> <ul style="list-style-type: none"><li>Assisted program coordinators with administrative duties including processing confidential data, researching information and updating online events calendars.</li><li>Wrote and updated daily content on international student website, updated and designed news for special events.</li></ul>   |
|                       | Summer 2016     | <b>SWAP Program at Student Recreation Centre</b> , University of Western Ontario<br><i>Events holder and data analyst</i> <ul style="list-style-type: none"><li>Supported the Student Recreation Centre with event organization.</li><li>Cooperated with other departments to hold summer camps for local teenagers.</li><li>Recorded and processed data for equipment information using database systems.</li><li>Recorded and analyzed income, produced monthly reports.</li></ul>   |
| RESEARCH              | May-August 2019 | <b>University of Western Ontario</b><br><b>“Parametric Catastrophe Bonds for Tsunamis and Earthquakes”</b><br><i>Research coordinator</i> <ul style="list-style-type: none"><li>Used regression analysis to design statistical models under different trigger variables.</li><li>Calculated the expected loss under different trigger conditions.</li><li>Designed an optimal financial product (a CDO type bond) to cover loss by differentiating a capital pool into varied branches according to the different trigger conditions and levels of return.</li></ul> |
| VOLUNTEER             | September 2016  | <b>University of Western Ontario</b><br><b>The Western International Week</b><br><i>Administrative Assistant</i> <ul style="list-style-type: none"><li>Assisted to hold global culture shows.</li><li>Planned and organized the “UChill” music party.</li></ul>  |
| AWARDS & DISTINCTIONS | 2015-2019       | <ul style="list-style-type: none"><li>Dean’s Honor list 2015-2016, the faculty of science.</li><li>Dean’s Honor list 2017-2018, the faculty of science.</li><li>Dean’s honor list 2018-2019, the faculty of science.</li><li>Passed Financial Risk Manager(FRM) level one test.</li></ul>  |