**Yufei Xia**

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**Data Analyst Profile**

Dynamic and highly motivated professional with wealth of knowledge and experience in interpreting data and analyzing results using statistical techniques. Demonstrated expertise in conducting data analyses, developing data collection systems, and other strategies that optimize statistical efficiency and quality. Adept at creating accurate reports for management reviews. Able to identify, analyse, and interpret trends or patterns in complex data sets.

**Areas of Expertise**

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| --- | --- | --- |
| * Transport Modelling | * Report Writing | * Building Relationship |
| * Statistical Data Analysis | * Project Management | * Traffic Management |
| * GIS Technical Support * Statistical Modelling | * Regulatory Compliance * Data Analysis | * Conflict Resolution |

**Education**

**Bachelor of Science, Honors, Specialization in Financial Modelling |** University of Western Ontario, 2019

*Coursework: Financial Mathematics, Derivatives, Probability Theory, Mathematical Statistics, Multivariate Calculus, Ordinary Differential Equation`, Partial Differential Equation, Numerical Analysis, Advanced Linear Algebra, Optimization, Stochastic Process*

**Bachelor of Science, Major in Data Science |** University of Western Ontario, 2019

*Coursework: Data Structure and Algorithms, Statistical Programming, Programming, Databases, Regression, Study Design, Project Management, Machine Learning, and System Programming*

Technical Skills: Python, java, R, matlab, VBA language

**Awards & Distinctions**

*Dean’s Honor list 2015-2016, the faculty of science | Dean’s Honor list 2017-2018, the faculty of science | Dean’s honor list 2018-2019, the faculty of science | Passed Financial Risk Manager (FRM) level one test*

**Experience Highlights**

**International and Exchange Student Centre,** University of Western Ontario, 2014-Present

**IESC Events and Administrative Assistant**

Deliver hands-on assistance to program coordinators to streamline administrative operations, including updating online events calendars, researching information. Contribute efforts towards creation of content for international student website and designed news for special events.

***Key Accomplishment:***

* Gained strong knowledge of web development using spring boot.

**SWAP Program at Student Recreation Centre,** University of Western Ontario, summer 2016

**Events Holder and Data Analyst**

Planned, organized, and aided the student recreation center with event organization. Facilitated coordination with other departments to arrange summer camps for local teenagers. Developed, maintained, and updated equipment information using database systems. Enabled the decision-making process by formulating monthly reports.

***Key Accomplishments:***

* Demonstrated expertise in using VBA and database system.
* Facilitated co-ordination with team members to arrange events and resolve technical issues.

**University of Western Ontario,** 2019

**Parametric Catastrophe Bonds for Tsunamis and Earthquakes**

**Research coordinator**

Exhibited active contribution in creating statistical models using regression analysis and determining expected loss under different trigger conditions. Rendered expert level services in designing an optimal financial product to cover loss by differentiating a capital pool into varied branches.

***Key Accomplishment:***

* Instrumental in analysing the data using Matlab and knowledge of building general linear model to calculate the loss distribution.

**Community Leadership**

**University of Western ONTARIO,** London, Ontario, September 2016

**Administrative Assistant**

* Supported to organised global culture shows and the “UChill” music party.