Qin Yin

Mathematics & Business - 5th Year Double Degree

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Education

University of Waterloo & Wilfrid Laurier University *Waterloo, ON*
Bachelor of Mathematics (BMath) & Bachelor of Business Administration (BBA) *Sept. 2013 - Expected Dec. 2018*
- Statistics Major and Computer Science Minor (UW) & Finance Major (WLU)
- **Cumulative GPA:** 3.9/4.0 (91%)
- **Relevant Courses:** Object-Oriented Development, Data Types & Structures, Networks and Numerical Computation
- **Honors:** Dean's Honor Roll (every term), President's Gold Scholarship

Work Experience

Canalyst *Vancouver, BC*
Co-op Software Developer *Sept. 2017 - Dec. 2017*
- Developed a VSTO add-in for Excel in C#, providing tools and shortcuts to aid with building financial models.
- Created a tool in C# to compare updates to models, improving accuracy and speed by 120%.
- Implemented a variety of QA checks to find common mistakes in models, reducing errors and saving time.
- Wrote ad-hoc macros in C# to make changes to and check for errors on database of 3600+ financial models.
- Configured team projects to automatically build, test and deploy updates using Docker containers and GitLab CI/CD.

TD Securities *Toronto, ON*
Co-op Sales & Trading Associate *Dec. 2016 - Apr. 2017*
- Rebuilt and redesigned existing tools to generate term sheets and marketing materials for TD Equity-linked Notes using Excel and VBA, increasing speed by 80% and reducing errors by 50%.
- Expanded report-generating system using SQL and JavaScript, improving analytics on sales and client holdings.
- Provided historical testing of Note performance to Sales Team to aid with client pitches.

Scotiabank *Toronto, ON*
Co-op Associate *Jan. 2016 - Apr. 2016*
- Designed and developed database application to perform quarterly Enterprise Stress Tests, used by Scotiabank to perform Stress Tests on retail and wholesale credit portfolios in Q2 2016.
- Assisted with the modeling and projection of default rates of Scotiabank's domestic retail credit portfolios.

Projects

Rubberduck: Open Source Contributor to Rubberduck, a COM add-in for the Visual Basic Editor (VBE). Helped improve tools to modernize the VBE, including a unit-testing framework, static analysis of code and quick-fixes for potential code issues.
Translink Bot: Implemented a Facebook Messenger bot using Node.js to provide real-time transit arrival information for the Vancouver public transit system.
Time the Market: Built a game in Python, using matplotlib and pandas, to test player's ability to outperform the market.
Monopoly: Created a University of Waterloo-based Monopoly game in C++, using OOP principles and design patterns.

Skills

Languages: Python, C, C++, C#, SQL, MATLAB, VBA, JavaScript, Bash scripting
Tools & Technologies: Git, Docker, Linux, GitLab CI/CD, Heroku

Extracurriculars & Other Experience

Interests: Toronto Raptors, APBRmetrics, Chess and Poker
Extracurriculars: University of Waterloo Orientation-Week Leader, Vice-President of the Double Degree Club