FENGYAN(AMBER) LI

📞 +1 (647) 838 8256 ◇ ✉ f97li@uwaterloo.ca◇ 🔗 lifengyan

EDUCATION

Master of Engineering in: Electrical and Computer Engineering   Sep 2021 – Dec 2022
University of Waterloo - Cumulative GPA: 86.33/100.00

Honours Bachelor of Science with High Distinction in: Math & Statistics   2015 – 2019
University of Toronto - Cumulative GPA: 3.79/4.0

TECHNICAL STRENGTHS

Programming: Java, Python (*Pandas, Numpy, Matplotlib, TensorFlow, Django*), R (*Shiny*), VBA, SQL, Javascript (*jQuery, React.js, DataTables*), HTML5, CSS, PHP, MATLAB, Swift, bash script, ACL, C++

Tools & Technologies: Power BI, Tableau, Git/Github, Google Cloud Platform, Google Sites, MS Office

WORK EXPERIENCE

Amazon Web Service (AWS) - RDS Oracle   May 2022 – August 2022
Software Development Engineer Intern   *Vancouver, Canada*

- Implemented a command-line interface for customers to install, start or terminate a system monitoring function that collects and archive operating system and network metrics to assist in diagnosing performance issues.

PwC Canada - Data Assurance   July 2019 – August 2021
Associate (July 2019-July 2021) / Senior Associate (July 2021 - Aug 2021)   *Toronto, Canada*

- Designed and developed both front (HTML, CSS, javascript) and back end (PHP, MySQL) of a web application deployed on Google Cloud Platform which is used by all Canadian audit teams as a project management tool. The application has more than **2000** active users and increases project management efficiency by **30%**.
- Performed full-cycle data analysis for abnormal transactions, revenue, and account payable liquidation per risk assessment framework using ACL, SQL, Alteryx, R, Power BI and Tableau.

BMO Financial Group   May 2018 – April 2019
Operations Analyst   *Toronto, Canada*

- Piloted a new process for monthly reconciliation using VBA to save 20 hours of manual labor per quarter.
- Performed quarterly and monthly ad hoc reporting duties by analyzing operational risk control efficiencies.

PROJECTS & RESEARCH

Radiology Agreement Statistics Website, in Django   2020

- Access link: `https://md.softxinnovations.ai/`
- Developed an educational website of agreement statistics using Django framework. The website uses an interactive quiz and flowchart to help radiologists decide the most appropriate statistical tests for their readings.

Shopping Mall Segmentation Analysis, in Shiny   2019

- Implemented a Shiny web application connected with Google Map API to analyze and visualize the demographic shopping patterns and top brand preferences within user-specific regions in Canada.

AWARDS AND RECOGNITIONS

ASA DataFest@UofT: Best Use of External Data Award   2019
The John David Stewart Scholarship   2017
The Katherine St. John Scholarship   2016