MIERA TRINH

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TECHNICAL SKILLS

Languages: Java, Python, R, SQL, LaTeX, Javascript, HTML/CSS
IDE/Tools: IntelliJ, Eclipse IDE, VSCode, Jupyter Notebook, Microsoft Office, Git, Matlab
Frameworks: Numpy, Panda, Gurobi, Matplotlib
Operating Systems: Unix/Linux, Microsoft Windows

EDUCATION

McGill University   **Sep 2020 – Jan 2024**
Bachelor of Arts in Computer Science   *Montréal, QC*
Coursework: Introduction to Computer Systems, Introduction to Software Systems, Introduction to Computer Science, Data Structures & Algorithms, Artificial Intelligence, Statistical Computing, Decisions Analytics, Software Design

EXPERIENCE

Administrative Assistant   **Sep 2021 – Jun 2022**
McGill Continuing Dental Education   *Montréal, QC*
- Oversaw the management and maintenance of the McGill CDE website, including updating course information, optimizing the user experience, and troubleshooting technical issues
- Hosted online courses for dentists and assisted with setting up events that are held on nights and weekends
- Administered surveys to course participants to gather feedback on the course content and delivery

PROJECTS

Smart City Analytics - Bike Sharing System Optimization ⤴ | Python (Numpy, Gurobi, Matplotlib)
- Analyzed **more than 2 million** bike trips from bike-share data sets of Divvy in Chicago to examine customer behaviour and statistics of stations and trips
- Built a **linear optimization model** that created an optimal logistic system for bike repositioning operations to alleviate the supply and demand mismatch in the network
- Conducted **sensitivity analysis** and prescribed managerial insights that minimized operational costs

CPU and GPU Design Trends Analysis ⤴ | R (Tinytex, Tidyverse, Dplyr, Tidyr, Ggplot2)
- Summarized and graphed physical and performance characteristics of CPU's and GPU's
- Analyzed vendor and foundry relationships in processor production
- Investigated the association between die size and thermal design power and assessed Moore's Law prediction

2019 Canadian Election Study Analysis ⤴ | R (Haven, Tidyverse, Psych, Textreg)
- Analyzed the relationships between different background characteristics (gender, age, level of education) and interest in politics from the 2019 Canadian Election Study
- Conducted **bivariate** and **multivariate linear regression analyses** to determine the relationship between gender and interest in politics

LEADERSHIP

VP of Marketing   **Sep 2021 – Jan 2022**
The Women's Network McGill   *Montréal, QC*
- Developed content strategies and design visually compelling graphics for weekly social media posts
- Conducted analysis of social media trends and impression engagement to identify opportunities for growth
- Implemented marketing strategies, resulting in an **increase of 400 followers within a 5-month period**

Co-founder   **Sep 2019 – May 2020**
Marianopolis Chemistry Club   *Montréal, QC*
- Planned and organized chemistry-related events and activities for club members, such as lab tours, guest lectures, and field trips
- Coordinated with professors and other department staff to secure resources for club events and projects

AWARDS

- Quebec Ministry of Higher Education's Perseverance Scholarship in Information Technology, 2022
- Marianopolis Dean's List for achieving overall grade average of 85% and above, 2019
- McGill Entrance Scholarship for having above 97% average on all grade 12 and grade 11 level courses, 2018