Layla Frischman

Industrial Engineering Student
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Education

University of Toronto **September 2019 – Present**
Bachelors of Applied Science in Industrial Engineering *Toronto, ON*
- Minoring in Artificial Intelligence and Machine Learning

Dean's List **September 2020 – April 2022**
Dean's Merit Scholarship Recipient **September 2019**

Relevant Coursework

- Fund. of OOP | A+
- Statistics | A+
- Data Modelling | A+
- Data Analytics | A

Technical Skills

Languages/Skills: Python, Java, SQL, Power BI, R, MATLAB, Microsoft Word, Excel, Access, HTML/CSS
Developer Tools: Jira, JAMA, DBeaver, Eclipse, pandas, sklearn, NumPy, Jupyter Notebooks

Experience

Advanced Micro Devices (AMD) **May 2022 – Present**
Machine Learning Software Engineering (MLSE) Program Management Co-op *Markham, ON*
- Assisted in delivery of NPI and Customer Programs
  - Customers include: Microsoft, Meta, Hewlett Packard Enterprises, Oak Ridge National Labratory, Atos
- Ensured features and defects were on track for ROCm releases across the software stack
- Implemented hardware asset reservation system to be used by 200 team members which reduces idle time of servers
- Created data visualizations using Power BI for weekly Jira ticket status updates
- Facilitated MLSE team adoption of management tools which track risk, requirements, and timelines to improve planning and scheduling practices

H&R Construction Management **May 2021 – August 2021**
Customer Care Administrator *Toronto, ON*
- Ensured accurate recording and tracking of work orders for use by all team members to support timely resolution of warrantable deficiencies
- Designed Excel tracking logs to record number of workers on site to improve quality of internal records
- Administrative department duties included scheduling meetings, publishing minutes, filing, and other supportive activities

Projects

Image Upscaling Using Machine Learning **January 2022 – April 2022**
- Super Resolution Convolutional Neural Network (SRCNN), takes in a low resolution image with dimensions 56x56 pixels and outputs a high resolution version of the input with dimensions 224x224
- Super Resolution General Adversarial Network (SRGAN) baseline model used to measure primary model performance

Predicting and Optimizing Charitable Donations **September 2021 – December 2021**
- Linear regression model in Python predicts how charitable people are per zip code based on data from IRS tax returns
- Results used to find the optimal route for fundraisers to travel which will maximize their expected collected donations

Leadership and Achievements

Jewish Engineering Society **November 2020 – Present**
Co-Founder *University of Toronto*
- Planned and executed multiple social events for 20+ students fostering a strong campus community
- Created original website (jes.skule.ca) containing resource hub and club updates to ensure clear distribution of club information

University of Toronto Design League **April 2020 – September 2021**
Sponsorship Officer *University of Toronto*
- Assisted in securing $10,000 from industry sponsors such as Zebra Technologies, Starfish Medical and AutoDesk
- Developed sponsorship packages to be distributed to potential sponsors

National Winner of Shalheveth Freier Physics Tournament **February 2017**