FELIX SHIER

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EDUCATION

Bachelor of Applied Science

Queen's University

m Sept. 2017 - Apr. 2022

♥ Kingston, ON

- Major in Mathematics and Engineering with Professional Internship, Option in Computing and Communication
- Relevant Coursework: Probability I-II Data Structures Calculus I-III
 Signals/Systems Linear Algebra I-II Control Theory Economics

EXPERIENCE

Tax Analyst

Deloitte

May 2020 - Present

♥ Waterloo, ON

- Professional Experience Year (PEY) between 3rd and 4th year of university.
- Advised and supported companies in procuring government investment incentives for their scientific research and experimental development (SRED) activities, strategic initiatives, and technical projects.
- Collaborated with technical teams to build technical reports and presentations to demonstrate technological developments for SRED claims within technology, media, and telecom industries.
- Technologies Used: MS Word MS Excel MS PowerPoint

Signal Processing/ML Team Member

Merlin Neurotechnology

🛗 Sept. 2019 - Mar. 2020

♥ Kingston, ON

- Alpha-Light: Developed Python scripts to configure elements in a smart home environment using the Internet of Things (IoT) and deconstruct brain waves from real-time raw EEG signals.
- Blink-Detection: Cleaned, filtered, and labeled raw EEG signal data to augment original research dataset for enhanced performance. Developed a Sequential 1 Dimensional Convolutional Neural Network (CNN) trained on the processed dataset of EEG signal intervals to detect blinks with a peak accuracy of 95%.
- Packages Used: Numpy Pandas TensorFlow Keras SciPy
 Scikit-Learn

Data Science Team Member

Betalab

May 2020 - May 2020

◊ Kingston, ON

- Meeting Minutes: Developed an unsupervised extractive model using sentence embedding and feature-space analysis techniques to summarize natural language texts.
- Articles: Wrote and edited tutorials and articles relating to data science topics.
 - Article 1: Web Scraping with Python.
 - Article 2: Introduction to Artificial Neural Networks.
- Packages Used: NLTK TensorFlow Keras Scikit-Learn

 BeautifulSoup4

TECHNICAL SKILLS

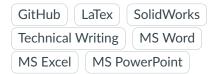
Languages

| Python | MATLAB | SQL | $\left[C\right]$ | Java | |
|--------|----------|------|------------------|------|--|
| Octave | Assembly | HTML | | CSS | |
| | | | | | |

Python Packages

| Numpy | Pa | Pandas Matplotlib | | |
|------------|----|-------------------|--------------|--|
| TensorFlow | | Keras | Scikit-Learn | |
| SciPy NLTK | | (Bea | autifulSoup | |

Other Technical Skills



ACCOMPLISHMENTS



Tree Planting

Haveman Brother's Forestry Services

- Planted a total of 311,780 trees during two summers (97 days) as a tree planter in Northern Ontario.
- Averaged 2748 trees per day in my first season and 3731 trees per day in my second season.

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Consulting Case Competition Winner OUBE

- Took first place in a team of four participants at the QUBE 2020 Consulting Case Competition.
- Performed and presented financial analysis on historical business and market data to identify trends and provide business recommendations.

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Machine Learning Certificate Stanford (Coursera)

Stanford (Coursera)

- Introduced to machine learning, datamining, and statistical pattern recognition concepts including supervised and unsupervised learning algorithms, neural networks, machine learning best practices, and industry applications.
- Completed projects involving anomoly detection, recommender systems, principal component analysis, and support vector machines.