FELIX SHIER

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EDUCATION

Bachelor of Applied Science
Queen's University

📅 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

📅 Sept. 2019 – 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: Developed, wrote, and edited tutorials and articles relating to various data science topics.
  - Article 1: Web Scraping with Python.
  - Article 2: Introduction to Artificial Neural Networks.
- Packages Used: NLTK | TensorFlow | Keras | Scikit-Learn | BeautifulSoup

TECHNICAL SKILLS

Languages

Python | MATLAB | SQL | C | Java | Octave | Assembly | HTML | CSS

Python Packages

Numpy | Pandas | Matplotlib | TensorFlow | Keras | Scikit-Learn | SciPy | NLTK | BeautifulSoup

Other Technical Skills

GitHub | LaTex | SolidWorks | Technical Writing | MS Word | MS Excel | MS PowerPoint

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.

🏆 **Consulting Case Competition Winner**
QUBE

- 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.

✳ **Machine Learning Certificate**
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.