SEAN SOMOGYVARI

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SKILLS

Software:

- MATLAB
- Python
- C
- R
- LaTeX

Tools:

- TensorFlow
- Numpy
- Anaconda
- Git
- Pandas
- Scikit-Learn
- Jupyter Notebook
- Jira

Soft Skills

- Problem Solving
- Time Management
- Interpersonal Communication
- Collaboration and Active Listener
- Strong Observational Skills

EDUCATION

Master of Engineering, Electrical and Computer Engineering **Feb 2019**
McMaster University, Hamilton ON

- Course experience in Machine Learning, Data Science, Computer Vision, Cognitive Dynamic Systems, Matrix Computations for Signal Processing, Electrified Vehicles, and Convex Optimization.

Bachelor of Engineering, Engineering Physics **May 2016**
McMaster University, Hamilton ON

EXPERIENCE

Machine Learning Developer Volunteer **May 2019 - Present**
Prepr, Mississauga ON

- Big Data techniques for generating relevant data sets
- Research and implementation of cutting-edge NLP methodologies for the purpose of developing AI for automatic assignment grading and other deep learning tasks.

Technical Sales & Project Coordinator **May 2017 - Dec 2017**
M Con Pipes and Products, Ayr ON

- Communicated with contract engineers regarding projects
- Analyzed project drawings and provided accurate quotes
- Designed custom projects using Autodesk/MHpro and placed into production based on specifications

PROJECTS

Convolutional Neural Network for Classifying Vehicle Make and Model

- Convolutional neural network in python using Keras with TensorFlow backend for classifying images of vehicles in the Stanford Cars Dataset.

EYESPY eye tracking robot

- Designed and assembled an autonomous eye-tracking robot using two Raspberry Pis and three TI microcontrollers.
- Lead control systems and communications developer in C.

Comparison of Supervised/Unsupervised Techniques for Modelling Differences of Galaxies, Quasars, and Stars

- In depth analysis of the Sloan Digital Sky Survey (2014) including a comparison of model-based clustering, mixture discriminant analysis and a cross validated neural network in R.

CERTIFICATIONS

Certificate in TensorFlow for Deep Learning in Python
Udemy **April 2019**

- DNN, CNN, RNN, and Reinforcement Learning in Python using TensorFlow