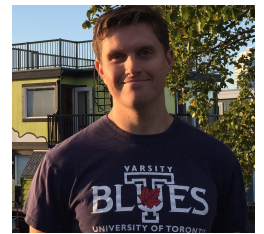


Matthew Plaudis

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Victoria, BC



EXPERIENCE

- **Esri Canada**
Software Engineer - Toronto, ON
Redesigned the front end and back end of an interactive urban planning large touch screen application
Sept. 2019 - Jan. 2020
- **Victoria Makerspace**
Software Engineer Co-Op Student - Victoria, BC
Developed a data retrieval and processing system in order to provide real time information to a Virtual Reality heads-up display
May 2019 - Sept. 2019

EDUCATION

- **B.S. Computer Science**
Theory Option
University of Victoria
2018 - present
- **B.A. Classics**
University of Toronto
2011 - 2015

SKILLS

- **Technologies**
Python, C#, C, Tensorflow, Keras, Numpy, Pandas, Postgresql, Google Cloud Platform, Compute Canada
- **Patterns & Practices**
Object Oriented Programming, Functional Programming, Machine Learning Model Creation & Training
- **Project Management**
Agile, Scrum, Google Workspace, MS Teams

PROJECTS

- **Stock Prediction with Sentiment Analysis**
[github.com/MatthewPlaudis/Stock.Prediction.Project]
Web scraped new headlines from various sources to use as input data to an LSTM RNN, with the objective of predicting S&P 500 index movement direction.
Python, Jupyter
- **Neural Network From Scratch**
[github.com/MatthewPlaudis/NN_from_scratch]
Only using the Python SL, NumPy, and Pandas, I created a basic neural network in order to understand it's fundamental principles
Python
- **Big Data Sea Ice Classification**
Code currently residing on Compute Canada
Using over 1TB of SAR-1A images, training a CNN for binary classification of sea and ice. Has turned into a Directed Studies project working with SIKU.
Python, Jupyter

OTHER HIGHLIGHTS

- Gave talk on *Urban Planning Using Touch Surface Technology* at STOKED 2019 Conference in Athens, Greece
- Was a co-author on a paper titled *BUDI: Building Urban Designs Interactively Can Spatial-Based Collaboration be Seamless?*

REFERENCES

- **Dr. Yvonne Coady**
Professor, University of Victoria
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- **Dr. Jon Salter**
Associate Director, Esri Canada
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