Shawn Anderson

Recent graduate of computing science at University of Alberta with leadership experience. Excited to adopt new and emerging technologies quickly and integrate them into projects. Special interests include: Machine Learning, Software Practice, and Pure Math

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shawnwanderson

Work Experience

Contract Developer August 2016 – Present
Four Winds and Associates

- Development and maintenence of various web applications built in python with django web-framework
- Working from home, coordinating with another contractor, attending meetings and phone calls to acquire task specification

Junior Developer May 2015 – August 2015
Government of the Northwest Territories
Dpt. Justice
Informatics

- Assisted senior developer in building and maintaining web components for the Justice website https://www.justice.gov.nt.ca
- Developed a RESTful API using Scala with Play Framework to serve as the backend for online fines payment
- Developed Wordpress Plugins in HTML/PHP

Helpdesk Analyst September 2014
University of Alberta September 2013 – May 2014
Dpt. Computing Science January 2013 – May 2013

- Extensive experience with Linux systems and networks
- Interpersonal experience in working directly and indirectly with users

Business Support Analyst May 2014 – August 2014
Government of the Northwest Territories
Dpt. Health and Social Services
Information Services

- Assisted senior analysts in maintaining and developing systems relating to a healthcare management database
- Developed a front-end system to display medical travel data using PHP, HTML, JavaScript and SQL

Education

2011 – 2016 **Bachelor of Science**
Specialization Computing Science
University of Alberta

2015 – 2016 **Continuing Education**
Machine Learning
Stanford University (via Coursera.com)

Probabilistic Graphical Models
Stanford University (via Coursera.com)

Deep Learning Using Tensorflow
Google (via udacity.com)

Computing Skills

Datascience Toolbox

Python	Numpy	Pandas	Matplotlib
SKLearn	Keras	Tensorflow	Ipython

Programming

Python	Linux	Object Oriented	SQL/DBMS
Scala	Git	RESTful	HTML/CSS
C++	Vim	Functional	Tmux/Slimux

Algorithmic Skills

Machine Learning	Neural Networks
Reinforcement Learning	Bayesian Modeling
Graph Theory	Topology
Combinatorics	Complex Analysis
Convex Geometry	Group Theory

Research

Instrument Recognition in African Music Field Recordings September 2015 – December 2015
University of Alberta

- Decomposed African songs into feature vectors via the open source signal processing tool Marsyas
- Experimented with various Maching Learning techniques including SVM, KNN, and Logistic Regression to classify which instruments are present in a song

Movement Prediction Based on EEG Signals Using Hidden Markov Models
Univesity of Alberta *January 2016 – April 2016*

- Given EEG data recorded on subjects in both rest and movement, my team generated a model to predict movement intention

Volunteer Work

- Vice President Social Executive member of the Undergraduate Association of Computing Science
- Leader and Organiser of The Yellowknife Super Smash Bros. club
- 6 years coaching Basketball
- Math Tutoring