

Shawn Anderson

Recent graduate of computing science at University of Alberta, beginning the Professional Master's Program in Big Data at Simon Fraser University in Fall 2017. Looking for internship positions pertaining to data science, machine learning, probabilistic modeling, and related fields

WORK EXPERIENCE

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)

BITCOIN AND CRYPTOCURRENCY TECHNOLOGIES
Princeton University (via Coursera.com)

PERSONAL PROJECTS

- Web scraping twitter and reddit and applying NLP and sentiment analysis to forecast cryptocurrency markets
- GPS pathfinder and restaurant locator for Edmonton using an Arduino, programmed in C



11007 - 83rd ave Suite 903 Edmonton AB

swanders@ualberta.ca

<http://www.shawnwanderson.com>

shawnwanderson

COMPUTING SKILLS

Experience With PHP, Java, C, JavaScript, Matlab

Formally Trained Scala, Python, Django, C++, SQL/DBMS, Linux, HTML/CSS
Git, Object Oriented Programming
Functional Programming, RESTful API

Algorithmic Skills Graph Theory,
Bayesian Modeling,
Machine Learning,
Reinforcement Learning,
Combinatorics and Optimization
Datastructures and Analysis

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 Machine Learning techniques including SVM, KNN, and Logistic Regression to classify which instruments are present in a song

Movement based on EEG signals using Hidden Markov Models JANUARY 2016 – APRIL 2016
University of Alberta

- 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