



ANDREW WOOD

Searching for: 4 Month Work Term Summer 2021

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PROJECTS

Personality Type Classifier

 April 2021


- Using text posts on social media, trained a neural network to output a probability distribution that classified the user's personality type
- Acquired an understanding of natural language processing and how to pre-process data into a workable form
- Model accuracy was 50.2% and found to be statistically significant using a permutation test
- Utilized: Python, TensorFlow, keras, NumPy, Deep Learning

RNN Music Generation [GitHub]

 January 2021

- Successfully trained a recurrent neural network to generate Irish folk music
- Learned how to implement a long short-term memory architecture in order to resolve gradient problems during backpropagation
- Utilized: Python, TensorFlow, keras, NumPy, Deep Learning

Virtual Library [GitHub]

 December 2020

- Designed a fully functional virtual library Android app, including adding, scanning, searching, borrowing, and returning books
- Experienced working with a team in an Agile environment, collaborating with a pseudo-client
- Utilized: Java, Android SDK, Agile, Git, Firebase, XML

EXPERIENCE

Freelance Web Designer


Independent

 March 2020 – Ongoing 📍 Edmonton, AB

- Collaborated with clients to design and build webpages according to specifications and ongoing revisions
- Created website interfaces using standard HTML/CSS practice and WordPress

Front Supervisor

Pho Xpress

 October 2017 – Ongoing 📍 Edmonton, AB

- Supervise the front of house to ensure efficient and smooth operations at all times
- Interact with patrons to provide an exceptional level of service in high pressure situations
- Responsible for training new employees

Independent Contractor/Sales Representative

Liberty Security

 May 2019 – August 2019 📍 AB, SK, NL

- Top 5 rookie salesman in the company
- Met monthly sales quotas and won incentives on a consistent basis
- Developed a strong mindset through hard work in a self-motivated and commission based environment

EDUCATION

4th Year BSc. Computer Engineering

University of Alberta

 September 2015 – April 2022

SKILLS/COURSEWORK

Python NumPy pandas keras Java
SQL Git Algorithm Design & Analysis C
Machine Learning Agile TensorFlow

EXTRA-CURRICULARS

Team Lead

Alberta Quant Club

 August 2020 – Ongoing

- Clarified project specifications and identified action items
- Delegated items to the team in order to meet our goals
- Utilized: Python, pandas, NumPy, Communication, Teamwork

Third Year Representative

Computer Engineering Club

 September 2018 – April 2019

- Executive position elected by peers to represent the third year computer engineering students in faculty and disciplinary affairs.

Volunteer


Science FUNdamentals

 January 2019 – April 2019

- Taught lessons and presented fun experiments to elementary school students
- Gained expertise and comfort with public speaking
- Sharpened my teamwork skills through collaborating with a professional

Vice President of Finance

Super Smash Bros. Club

 September 2016 – September 2017

- Senior executive position, elected to oversee the financial and business decisions for the organization
- Oversaw a \$6000 budget, keeping accurate and readable financial documents
- Applied, and was approved for, grants for club events

PERSONAL INTERESTS

Lifting Weights Financial Markets Running