



# ANDREW WOOD


Searching for: 4 Month Work Term Summer 2021

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## PROJECTS

### RNN Music Generation [GitHub]

 January 2021


- Successfully trained a recurrent neural network to generate Irish folk music
- Utilized a long short-term memory architecture and familiarized myself with implementing a basic gradient descent algorithm
- Utilized: Python, TensorFlow, NumPy, Machine Learning

### Book Tracker [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

### Wikipedia Clone [GitHub]

 July 2020

- A copy of Wikipedia with many of the same functionalities (adding, searching, editing, etc.)
- Used Python and Django to create this project and got acquainted with web technologies
- Utilized: Python, Django, SQLite3

## EXPERIENCE

### 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

### Freelance Web Designer

Independent

 March 2020 – June 2020    📍 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

### 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

GPA: 3.1/4.0

University of Alberta

 September 2015 – April 2022

## SKILLS/COURSEWORK

Python    NumPy    pandas    Java    Android  
SQL    Git    Algorithm Design & Analysis  
Data Structures    Agile    TensorFlow    Django

## 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, Team-work

### Third Year Representative

Computer Engineering Club

 September 2018 – Dec 2018

- 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