# Faraz Naseem

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## EDUCATION

University Of Windsor
**BSc Honours (Co-op) Computer Science**
September 2019 – May 2024
Windsor, Ontario, Canada

- GPA: 88%
- Relevant Coursework: Data Structures and Algorithms, Object Oriented Programming In Java, Object Oriented Software Analysis and Design, Database Management Systems, Systems Programming, Computer Architecture: Digital Design, Competitive Programming, Programming In Python

## WORK EXPERIENCE

***Software Engineer Intern***
*RIIS LLC*
January 2021 – April 2021
*Remote*

- Integrated Python, Tensorflow, Keras, and the Hive API in Google Colab to increase the accuracy of a Machine Learning image detection algorithm **from 73% to 93%**
- Creating labels for **more than 33%** of the sheep images to test Image Detection algorithm on

***Database Programmer***
*University Of Windsor*
January 2021 – April 2021
*Remote*

- Using Java and Oracle SQL Server to **integrate 50000 data-sets**, to test Price Prediction algorithm.
- Implementing, designing, testing and analyzing Data mining algorithms to improve the accuracy of future price predictions.

**Software Engineer Intern**
*Curbn*
September 2020 – December 2020
*Remote*

- Integrated JavaScript with WordPress website and MySQL database, to limit users to **1 lesson per day**.
- Used Learndash plugin to send emails to registered users upon the completion of a course or lesson

**Research Assistant**
*University Of Windsor*
September 2020 – December 2020
*Remote*

- Led development in the creation of an interactive notebook for Dr. Yufeng Tong's Bio-Informatics course using: Python, Jupyter Notebook, BioPython, and NGLView.
- Utilized RCSB PDB API in BioPython, to create protein images with **94% accuracy**, and **reduced rendering time by 25%**.

**Teaching Assistant**
*University Of Windsor*
May 2020 – April 2021
*Remote*

- Courses: Introduction To The Internet (Summer 2020), Programming In Python (Fall 2020), Computer Architecture: Digital Design (Winter 2021)
- Provided valuable feedback to more than **100 students** by marking labs, and ensuring that every student had a clear understanding of the concepts, resulting in a **10% increase of class average** during the duration of this course.

## SKILLS

- **Languages:** Java, Python, Kotlin, C, C++, JavaScript, Ruby, SQL (MySQL), HTML, CSS, XML
- **Libraries and Frameworks:** Tensorflow, Keras, matplotlib, numpy, pandas, Django, Flask, React.js, Bootstrap
- **Developer Tools:** Git, IntelliJ, Linux, Unix, Windows, Eclipse, VS Code, Jupyter Notebook, PyCharm, Android Studio

## SIDE PROJECTS

myschoolgrades.com | Python, Django, HTML, CSS, MySQL, Git
• Developed a web application with Django, HTML, CSS, and JavaScript allowing registered users to add, remove, or modify grades of courses
• Stored users login credentials and grades in MySQL database, and used Namecheap CPanel to host website

Dow-Jones | Python, Yahoo Finance API, Tkinter, Matplotlib, Pandas, Numpy, Excel, Git
• Developed a Graphical User Interface using Tkinter, and plotted the data for companies in the Dow Jones using matplotlib
• Collected stock price data using the Yahoo Finance API, stored data in Excel File, and converted data to price-time format using Pandas and Numpy