Faraz Naseem

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Education

University Of Windsor — Windsor, Ontario
Bachelor of Science (Co-op) Honours in Computer Science — *September 2019 - May 2023*

- GPA: 88%

Work Experience

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

- Integrated **Python**, **Tensorflow**, **Keras**, and the **Hive API** in Google Colab to create a Machine Learning image recognition algorithm which identifies if certain animals are farm animals with an **accuracy of 99%**.
- Currently testing the Machine Learning model with over **5000 images** to maintain an accuracy greater than 99%.

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

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

Software Engineer Intern — September 2020 – December 2020
Curbn — *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 — Sep. 2020 – Present
University Of Windsor — *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 — May 2020 – Present
University Of Windsor — *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 the class average during the duration of this course.

Technical Skills

Languages: Java, Python, Kotlin, C, C++, JavaScript, Ruby, SQL (MySQL), HTML, CSS, XML
Frameworks and Libraries: 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

Projects

myschoolgrades.com | *Python, Django, HTML, CSS, MySQL, Git*

- Developed a web application with Django allowing registered users to add, remove, or modify grades of courses
- Created a table in React.js to show users course grades
- Stored users login credentials and grades in MySQL database
- 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 to plot stock price data for companies in the Dow Jones.
- Collected stock price data using the Yahoo Finance API, and stored data in Excel File
- Converted the data in Excel file to price-time data using Pandas and Numpy
- Plotted the price-time data using matplotlib on a Tkinter Interface