

Zain Huda

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EDUCATION

WESTERN UNIVERSITY & IVEY BUSINESS SCHOOL

BS - COMPUTER SCIENCE

HBA - BUSINESS ADMINISTRATION

April 2021 | London, ON

Dean's List (All Semesters)

Cum. GPA: 3.87 / 4.0

Major GPA: 4.0 / 4.0

SKILLS

Machine Learning

Object Oriented Programming

Data Science & Analytics

Web Development

Data Structures and Algorithms

Mobile Development

Public Speaking

TECHNOLOGIES

LANGUAGES

Proficient

Java • Python • C • Go

R • SQL

Familiar:

Solidity • C++ • Vyper

MACHINE LEARNING

TensorFlow • Keras • Sci-kit Learn

Jupyter Notebook • Pandas • Numpy

Matplotlib

FULL STACK

JavaScript • NodeJS • React

Flask • Express • D3

Mongo • CSS • AWS

SYSTEMS

Linux • Git • Bash

Windows • OSX

INTERESTS

Competitive Gaming

Martial Arts

Soccer

Basketball

Cryptocurrencies

PROJECTS

MACHINE LEARNING TRADER | PERSONAL

August 2018

- Using **Keras**, **TensorFlow**, and **Catalyst** trading library, created a high frequency trading bot in Python that automatically buys and sells Bitcoin/Ethereum; to date it has yielded 2.7 %
- Implemented an **LSTM** model to predict time series of Bitcoin and Ethereum and trade in the short term
- Implemented **q-learning** technique to trade Bitcoin and Ethereum in the short term
- Created a web-app to visualize performance of trading strategies using **React**, **Node**, and **d3**

CRYPTOCURRENCY PORTFOLIO TRACKER | PERSONAL

June 2018

- Created mobile app using **React Native** and **Redux** for individuals to keep track of cryptocurrency investments; implemented OAuth using **Firebase**
- Using crypto-wallet addresses, the app dynamically updates holding amounts for currencies
- Using VictoryCharts, created 30 day portfolio visualization to help users inspect value of portfolio over time

OPENNOTES | HACKATHON

May 2018

- Open source note sharing web-app allowing students to upload notes to specific classes at their university with ease through the use of Google Drive API; created using **React**, **Node**, **MongoDB**, and **Express**

EXPERIENCE

BOW RIVER HEARING | WEB DEVELOPER

August 2018 – Present | Calgary, AB

- Overhauled website to accommodate the increasing age demographic to deliver a unified and easier user experience; implemented website optimization techniques to have pages load 15% faster
- Automated KPI tracking system to increase efficiency and productivity, saving providers 30% of their time during the day, allowing them to see 1-2 more patients per day

WESTERN FOUNDERS NETWORK | VP PROJECTS

May 2018 – Present | London, ON

- Accepted into Y Combinator Startup School program
- Lead demo days, pitch days, and monthly progress meetings to crowd source challenge troubleshooting and company advice
- Lead a team of 5 first year students to lead them through the stages of a start-up teaching them the fundamentals for success

AWARDS

2017 Farida and R.K. Rahemtulla HBA Scholarship. Valued at \$15000

2017 Western Continuing Admission Scholarship. Valued at \$10000

2016 1st/47 BeatTheStreet Investment Competition. Received \$1000