Haroon Khazi

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Education

CANDIDATE FOR BS | CLASS OF 2019 MAY GRADUATION | CASE WESTERN RESERVE UNIVERSITY

Major - Computer Science – Concentration in Algorithms and Theory

Courses taken

Data Structures | Cryptography | Discrete Maths | Algorithms | Operating Systems | Networks Circuits | Signals and Systems | Programming Language Concepts | Theoretical Computer Science

Applied Graph Theory | Databases | Data Mining | Connected Devices | Computer Architecture

Experience

OAKLAND UNIVERSITY – SUMMER 2018 – RESEARCH ASSISTANT

Research regarding machine learning and how it can be applied to the stock market. Programming was done in Python using Sci-Kit Learn and Keras. Data was taken from Yahoo Finance and was used to find possible indicators of stock performance based on past data, primarily using LSTMs.

BIOMEDICAL HEALTH INFORMATICS – JANUARY-APRIL 2018 – RESEARCH ASSISTANT

Testing in Java and creation of code for the use in patient data, specifically in the use of seizure data capture and processing.

OAKLAND COUNTY – SUMMER 2017 –DATA ANALYST INTERN

Using raw service centre data, compiling it, and presenting it in a digestible manner. Data was collected using perl and scouring through large freeform text files. Compilation and analysis took place in Excel. Further programming was done in Microsoft VBA for Excel to develop a tool to help governments manage technology costs.

GENETICS AND GENOME SCIENCES – SEPTEMBER 2016-APRIL 2017 – RESEARCH ASSISTANT

Research in relation to the genetics of ASD patients and genetic diversion between human populations separated by countries. This required parsing through genetic databases to find overlaps and computing involving these large files, using perl. Furthermore, processing data files and analysis on the experiment results using R.

Skills

Programming Languages and Other Software Skills

- Proficient in MatLab, Java, perl, Python, C, R, VBA, JUnit Testing, scheme, Haskell, sklearn, Swift
- Proficient in REST development with Flask, JavaScript, and database development with SQL
- Data collection through keen.io for IoT development.
- Proficient in using AWS with Gunicorn, uWSGI, and NGINX to deliver Django or Flask based websites
- Proficient in Microsoft Office programs, as well as Mac equivalent programs
- Familiarity with Unix based systems

Miscellaneous

- Experienced with hands-on working, electrical and computer components
- Mensa Member

Languages

- Intermediate Spanish
- Can converse in Japanese

Campus Activities

Went to Hackathons as part of the club. MHacks 9, CWRU Hacks.