AEBEL SHAJAN

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OBJECTIVE

A highly driven 4th year Maths and Physics Masters student seeking an entry level work in the software industry. Completed a number of programming projects both as a team and individually. Experienced in programming, data analysis and group oriented work. Looking forward to lending problem-solving skills to tackle a wide variety of tasks.

EDUCATION

MMATH&PHYS Maths and Physics, University of Manchester   2019 - Expected 2023
On track to finish with 70% / 1.1.

A-Levels, Thornleigh Sixth Form   2017 - 2019
A* Maths, A Further Maths, A Chemistry, B Physics.

GCSEs, Thornleigh Salesian College   2012 - 2017
9 Maths, 6 English, B IT, A* Science.

PROJECTS

MPHYS Project: Classification of Antimicrobial Peptides Self-taught TensorFlow API to create a graph convolutional neural network which achieved 75% accuracy on new data. Took 11 weeks to complete with project partner. Created the neural network through Python in Google Colab. Trained the neural network on a large data set of molecules. Presented findings in a written formal report.

Laboratory work Conducted 6 experiments over 2 years at university in collaboration with a lab partner. Analysed data with Python extensively for each experiment. Wrote two, multiple page, lab reports which achieved a grade of 60% or higher. Gave a formal presentation of the methods and findings for every experiment.

JetBrains Academy Online Course Self-taught Java through JetBrains Academy's online course. Finished 5 projects over 2 months that helped deepen knowledge of basic programming concepts.

PHYS20161 Introduction to Python Acheived 82% final grade for a large Python project that took over 4 weeks to finish. Applied mathematical modelling to investigate the trajectory of a ball under the influence of gravity.

SKILLS

Python
Java
TensorFlow and Keras
Latex
MS Office (Word, Excel etc..).
UK Driver's License
GDScript

EXPERIENCE

Inventory management   2017 - 2019
Bolton Hospice Charity   *Bolton*

- Communicated effectively with customers as a cashier.
- Sorted through the hundreds of items donated to the store daily.
- Cleaned and monitored the store floor.

National Citizenship Service

- Completed a 4 week program held by the National Citizenship Service.
- Raised over £500 in fundraising for a charity in 2 weeks in collaboration with others.
- Coordinated the restoration of a nursing home.

EXTRA-CURRICULAR ACTIVITIES

- Programming games with Godot.
- Partaking in weekly 5k Parkruns.
- Attending Gym weekly.