

SHARAN MAIYA

sharan98m@gmail.com

www.sharanm.dev ◇ github.com/lightbulbmoment22617 ◇ linkedin.com/in/sharanmaiya

EDUCATION

The University of Edinburgh

BSc Computer Science and Mathematics (final year)

Sep 2016 - Present

Raw Average: 80%

The Glasgow Academy

7 Scottish Highers and 4 Advanced Highers all at grade A

Aug 2010 - Jun 2016

PROFESSIONAL EXPERIENCE

Royal Bank of Scotland

Technology Intern

Summer 2019

Headquarters, Edinburgh

- Worked within Performance and Business Management to handle analysis of massive cost datasets and to automate reporting for the 2020 budget cycle (Python).

Centre for Speckled Computing

Part-time Researcher

Sep 2018 - Dec 2018

The University of Edinburgh

- Worked with wireless sensors developed in-house on various projects involving 3D-modelling of movement and rotation in real time (Python, Java, Unity3D).

Centre for Speckled Computing

Research Intern

Summer 2018

The University of Edinburgh

- Developed an Android app for golfers to analyse their swing plane. This used quaternion data streamed in real-time from a wireless sensor worn on the wrist (Java).

SELECTED PROJECTS

Image Segmentation and the Sparse Cut Problem

Implemented image segmentation in order to understand the problem of efficiently finding a sparse cut of a large graph.

Weather and Wine

Developed a machine learning model to predict the price of wine given various features including the weather at its winery.

Google Location Data

Data exploration / analysis of my Google location history.

Honours Project

Analysing the relationship between exposure to air pollution and the breathing rate of young asthmatics using machine learning methods on a large set of temporal and spatio-temporal data.

I regularly attend Hackathons to complete fun projects. For example at **Hack Harvard** my team and I were prize winners with 'HexLedger' - a flexible blockchain-based hacker profile. I worked on the back-end (Python, Multichain API).

RELEVANT COURSEWORK

Data Analysis

(python, numpy, pandas, matplotlib, seaborn)

Machine Learning

(scikit-learn, tensorflow, pytorch)

Numerical Linear Algebra

(matlab)

Statistical Computing

(R)

Algorithms and Data Structures

(python, java)