

SKILLS

COMPUTER SKILLS

- Microsoft Suite, Git/Github, Jupyter Notebooks, Linux, OO Programming, Software testing(inc. Unit Testing)

CODING

- Python, C++, Octave , MATLAB, HTML, CSS, SQL
- *Python Libraries*: Tkinter, Numpy, Pandas, Matplotlib, Seaborn, Scikit-Learn, and Tensorflow

MACHINE LEARNING

- Linear & Logistic Regression, Neural Networks, Support Vector Machines, K-Means, PCA, Anomaly detection, Hidden Markov Models and Random Forests

LANGUAGES

- English (Native) , Hindi (Native) , Punjabi (Native)

PROJECTS

PIXEL ADVENTURE

[Code on Github](#)

Python Game Development using Tkinter

- Developed OO Programming skills by creating and following a UML Diagram
- Improved understanding of Testing by completing thorough testing at multiple stages

EDUCATION

UNIVERSITY OF SUSSEX

Brighton, Sussex, England
Sep 2017 – Aug 2021

Master of Mathematics (MMath): Integrated Bachelors with Masters (4 years)

- *Expected* : 1st class
- *Modules include*: Probability and Statistics, Complex Analysis, Probability Models, Random Processes, Statistical Models, Financial mathematics, C++, Python, Portfolio Analysis, Math Models in Finance and Monte Carlo simulations
- *Activities*: Member of American Football team

HARRIS WESTMINSTER

Westminster, London, England
Sep 2015 – Sep 2017

A-Levels

- *Academics*: Mathematics A* , Further Mathematics A, Physics B, Chemistry B
- *Activities*: Member of Mathematics and Physics club

EXPERIENCE

RESOLVE SECURITY

Brighton, Sussex, England
Mar 2019 -- Dec 2019

Door Supervisor

- Developed interpersonal skills by interacting with a variety of customers in a 2500 capacity venue.
- Furthered ability to work in a team by liaising with all 25 team members to minimize incidents.
- Improved communication skills by diffusing many volatile situations verbally.
- Learned to make quick decisions and work under pressure by dealing with situations requiring split second reactions.

FACEAPP

Sussex, England
Jul 2018 – Aug 2018

Fundraiser

- Boosted sales confidence by setting a company regional record of 7 sales in a single day.
- Developed teamwork ability by supporting my team of 3-5 through sales when needed.

NIGHTCLUB MEMBERSHIP

Brighton, Sussex, England
Jul 2019 – Sep 2019

Project Leader

- Gained research skills by conducting primary market research with 100+ potential customers
- Developed public speaking and presentation skills by pitching and presenting ideas and improvements to club management.
- Advanced leadership skills by managing a small promotion team of 2.

INTERESTS

- Bodybuilding (competed in bodybuilding at it national level), Powerlifting (535kg Total at 95kg), Tech (follow all new phones, computers etc. + built my own computer) , Deep Learning (working through a deep learning course now), Mountain Biking (love biking through the South Downs)