

VIKRAM SINGH

University of Pennsylvania

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📍 Hong Kong

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Freshman studying Mathematics & Computer Science. Looking for internship opportunities in Software Engineering and Data Science.

EXPERIENCE

Data Analyst

Wharton Analytics Fellows

📅 Sep 2020 – Nov 2020

📍 Remote

- Worked with SaaS Healthcare company with the aim of reducing customer churn. Used machine learning techniques to create a churn prediction model and identify key indicators of churn.
- Independently built Flask API to productionize model & presented findings to company.

Summer Intern

Rupifi

📅 Jun 2020 – Jul 2020

📍 Remote

- Studied the API documentation of Fintech companies to find trends in the types of services offered, and the tools provided to allow for easy integration.

Student Researcher

Hong Kong University

📅 Jun 2019 – Aug 2019

📍 Hong Kong

- Worked under Prof. Zou at HKU to research the causes of IPO underpricing and develop a linear regression model to predict degree of underpricing. Wrote a report on findings.

PROJECTS

FM Analytics 🔗

Python

Django

Data Analysis

HTML

- Website that allows Football Manager (FM) players to upload their game data and have it stored and analysed.
- Currently in progress

Web Blog 🔗

Python

Django

HTML

- Basic blog application that allows for CRUD operations on blog posts and handles user authentication

Minesweeper 🔗

Java

Swing

- Implementation of the traditional Minesweeper game using the Java Swing GUI library. Implements the Model-View-Controller GUI structure, File I/O and the recursive flood-fill algorithm.

Coronavirus Tracker 🔗

Python

Web Scraping

- Script that scrapes Worldometer's Coronavirus data everyday and sends an e-mail with an update.

SKILLS

Python

Data Analysis

pandas

Django

numpy

scikit-learn

Java

Swing

LaTeX

OCaml

Leadership

Public Speaking / Debate

Adaptability

Commitment

Integrity

EDUCATION

Bachelor of Arts

University of Pennsylvania

📅 2020 –

Current GPA: X.X/4.0

- Intending to major in Mathematics & Computer Science
- Relevant Coursework (including Spring 2021):

Programming Techniques I-II

Hon. Calculus II-III

Maths of Computer Science

Probability

IB Diploma

German Swiss International School

📅 2011 – 2020

43/45

- Higher-Level subjects: Mathematics, Economics, Physics
- ACT: 36/36

ACTIVITIES

- Deputy Vice-President, Undergraduate Statistics Society
- Head Student and Head of Student Council, German Swiss International School
- Semi-finalist or better at six debate tournaments across Asia, Top 10 speaker at five tournaments.
- High-school Varsity Tennis Team Captain, Top 50 ranked junior in Hong Kong

HOBBIES

- Rock music
- Soccer & Tennis
- Global Affairs