

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

Backend Developer

Penn Labs  

📅 Feb 2021 –

📍 Philadelphia, PA

- Create software used by thousands of faculty and students at the University of Pennsylvania.
- Work on the Platform team, integrating all of PennLabs' products into one system.

Data Scientist

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.

PROJECTS

FM Analytics

 

Python Django Web Dev

- Web-app that allows players of the Football Manager (FM) video-game series to upload their game data and have it stored and analysed.
- Deployed on Heroku

Web Blog



Python Django Web Dev

- 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
JavaScript LATEX OCaml Git

Leadership Public Speaking / Debate
Adaptability Commitment Integrity

EDUCATION

Bachelor of Arts

University of Pennsylvania

📅 2020 – First-semester GPA: 4.0/4.0

- 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