Tom Pollak

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CS Student @ University of York

About Me A second year Computer Science student studying at the University of York seeking a summer internship in software development or other related fields. I enjoy learning practically, and have developed a number of personal projects to further my knowledge in areas that interest me. I am most proficient with Python but also have experience in Java and Haskell, with a working knowledge of JavaScript. I have many years of experience working with Linux systems and Git version control.

Languages

Python, Java, Haskell, JavaScript, SQL, HTML, CSS

Technologies

Linux, Git, Vim, LaTex, Django, Numpy, Pandas, LibGDX, Docker, Vue.js, Selenium

Interests

Mountain biking, Climbing, Poker, Chess, Running, Hockey

Education

University of York   2020 - 2023

BEng Computer Science   *Average 77%, Expected First*

- Theory 1 *(81%)*
- Data 1 *(72%)*
- Software 1 *(95%)*
- Human Computer Interaction 1 *(66%)*
- Theory 2 *(72%)*
- Data 2 *(72.5%)*
- Software 2 *(94%)*
- Human Computer Interaction 2 *(70%)*
- Theory 3 *(78%)*
- Intelligent Systems 1 *(73%)*
- Systems & Devices 1 *(78%)*
- Systems & Devices 2 *(71%)*

Lady Manners School   2020

A-level

- Further Maths *(A)*
- Computer Science *(A)*
- Maths *(A)*
- Physics *(A)*

GCSE

- 5 8s, 2 7s, 2 6s, 1 5.

Experience

Cisco Meraki, *Full Stack Engineer Internship*   *June 2022 - August 2022*

Projects

Each Way Matcher   *December 2020 - July 2021*

Automated horse racing program that discovers undervalued horses by the bookmaker in each-way betting.

- Uses an adapted Kelly Criterion strategy to calculate the optimal stake to profit of these undervalued horses.
- Runs headless on a Raspberry Pi as a scheduled cron job every day.

Pirate Game   *January - February 2022*

Interactive pirate game using Java and LibGDX.

Poker Web Application   *April 2019 - July 2020*

Free live poker web app using Python and Django.

- Users can create accounts and tables, play poker, chat with other players.
- Uses Django Channels to allow for real-time communication between users.
- Deployed using Docker and Heroku.

SANS Institute, *FOR500 Windows Forensic Analysis*   *August 2020*

- Sponsored to take part through my success in the Cyber Discovery programme.

Cyber Discovery   *September 2018 - July 2019*

Independently completed the Cyber Discovery programme, run by HM government.

- I was selected as one of the top 500 (of 28,000) students to attend the Cyber Discovery Elite event in London.

Work

Glasshouse Bar, *Bartender*   *September 2021 - May 2022*

Working as a bartender at the York University Student Union.

Seafood Bar & Grill, *Waiter*   *July - September 2021*

Derbyshire Police, *Mock Police Witness Interviewee*   *March 2021*

Role acting as a witness for Derbyshire Police CID Interview Training.