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#### 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

# **Tom Pollak**

# 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 also have many years of experience with working with Linux systems and Git version control.

### **Education**

### **University of York**

2020 - 2023

BEng Computer Science - Average 77%, Expected First

- Theory 1 (81%)
- Theory 2 (72%)
- o Theory 3 (78%)

- o Data 1 (72%)
- o Data 2 (72.5%)
- Intelligent Systems 1 (73%)

- Software 1 (95%)
- Software 2 (94%)
- Systems & Devices 1 (78%)

- Human Computer Interaction 1 (66%)
- Human Computer Interaction 2 (70%)
- Systems & Devices 2 (71%)

# **Lady Manners School**

2020

A-Level & GCSE

- Further Maths (A)
- Maths (A) Physics (A)
- Computer Science (A)
- o GCSE: 5 8s, 2 7s, 2 6s, 1 5.

# **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 - Present

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.

- · Involves being interviewed by police detectives in training, in order to help improve their interview technique on children.
- Requires proficient communication skills, and being able to communicate effectively whilst improvising details from a fictional crime scene.

### Fishpond, Bartender

June - September 2020