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tompollak.me  
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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 have many years of experience 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%)                     | ○ Theory 3 (78%)              |
| ○ Data 1 (72%)                       | ○ 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 *Bakewell, UK*

2020

#### A-level

- |                        |               |
|------------------------|---------------|
| ○ Further Maths (A)    | ○ Maths (A)   |
| ○ Computer Science (A) | ○ Physics (A) |

#### GCSE

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

## Experience

### Cisco Meraki, *Full Stack Engineer Intern* *London, UK*

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* *York, UK*

September 2021 - May 2022

Bartender at the York University Student Union.

### Seafood Bar & Grill, *Waiter* *Matlock, UK*

July - September 2021

### Derbyshire Police, *Mock Police Witness Interviewee* *Ripley, UK*

March 2021

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