

# Travis Logan

MASTERS COMPUTER SCIENCE STUDENT · NEWCASTLE UNIVERSITY

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*"Every failure is a step towards success."*

## Personal Profile

A Master's student at the University of Newcastle, undertaking the Computer Science Degree course. I am zealous about Software Engineering and Cybersecurity, In addition I have 1+ years of experience specialising in Python/Java development, algorithms, and learning about the fundamentals of security and software design. Primarily looking for an Internship where I can learn hands-on to help improve my understanding and abilities within a technology workplace. I want to be able to identifying my learning gaps and develop on then to further improve my abilities and improve my growth-mindset.

## Education

### University of Newcastle

Newcastle Upon Tyne, UK

MSc in Computer Science

Sept 2021 - June 2026

- Training to be a Student Ambassador for the Computer Science Cohort
- Teaching as a Peer Mentor for Stage 1 students who are new to University
- **Courses:** Fundamentals of Computing, Computer Systems Design and Architecture, Information Storage and Retrieval, Security and Programming Paradigms, Algorithm Design and Analysis, Introduction to Contemporary Topics in Computer Science, Software Systems Design and Implementation

### Notre Dame Catholic Sixth Form College

Leeds, UK

A Levels

August 2019 - May 2021

- Pursued the Cambridge He+ Scheme
- Selected for Placement talks among the top of the Computer Science Class

### Carr Manor Community School

Leeds, UK

High School

August 2014 - May 2019

- Passed with 1 A\*, 5 As, 2 B's and 2 D\*

## Technical Projects (Undergraduate)

### Debugging of Board Game 'Reversi'

Newcastle, UK

University of Newcastle

Apr 2022 - June 2022

- A game made by Sergiy Bogomolov. Tasked with finding and fixing bugs present in a piece of code made to replicate this game. Learned how to debug effectively and incorporate Java-Docs to successful document more accurately. Grasped the importance that debugging has within software development.
- **Technical Skills:** Java, JVM, Java Debugger
- **Soft Skills:** Time Management, Documentation, Communication, Logical Thinking, Problem-Solving

### Quiz Application (Team Project)

Newcastle, UK

University of Newcastle

Feb 2022 - Apr 2022

- Collaborated in a team of 4 to build a quiz application for students revising for their exams. Delegated task to my team to ensure everyone was comfortable within their roles. Ensuring everyone could work towards their strengths, so we can achieve our goals.
- **Technical Skills:** Java, Software Engineering, Git Repositories, Code Sharing, Debugging, Deployment
- **Soft Skills:** Teamwork, Presentations, Time Management, Documentation, Planning

### Page Ranking Algorithm

Newcastle, UK

University of Newcastle

Dec 2021 - Feb 2022

- Enhanced my ability to understand the roles around coding algorithms so that we can sort through a thousands of website. Learning about which ones have been went through the most and communicate that back to customer.
- Learned and processed how to operate nodes and edges. Formed and discerned the page ranking algorithm and then improved on it's implementation.
- **Technical Skills:** Python, Algorithms, Website Documentation.
- **Soft Skills:** Presentation skills, Logical Thinking, Mathematical Understanding.

## Estate Agency Software

Newcastle, UK

University of Newcastle

Nov 2021 - Dec 2021

- Developed a software that would allow a estate agent to see all of the information of his sales and compare sales to each other. Implemented a database of having a ranked system for each organisation within the agency.
- Obtained a real understanding of Java, and how having a connection to a customer can really alter the programming stages. Learned the importance of communicating between the consumer to ensure the application is perfect for them. Incorporated all of their requests and developed a good relationship for the product as well as the customer.
- **Technical Skills:** Java, IntelliJ, Markdown, Java Documentation
- **Soft Skills:** Communication, Honesty, Report writing, Logical Thinking, Critical Thinking, Customer Service, Teamwork

## Contacts Application

Newcastle, UK

University of Newcastle

Sep 2021 - Nov 2021

- Coded my first project in my Undergraduate Degree, giving me an introduction to coding at university. Allowed me to expand my ingenuity to make and operate a application that would be entirely used within the Command Line Interface. Developed a growth-mindset towards programming to ensure my ability in looking for solutions. Strengthened my confidence to learn and take on criticism to grow and boost my skills for the future.
- **Technical Skills:** Python, Command Line
- **Soft Skills:** Time Management, Python Documentation, Problem-Solving, Constructive Feedback

## Work Experience

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### Lane 7 Ltd

Newcastle, UK

Bartender

Nov 2021 - Current

- Greeted customers with a positive attitude and a approachable smile, responded effectively to any inquiries and issues that had about the food or prices that were on service. Operated the cash register when we were short staffed to ensure that the teams quota was met for the day.
- Learned a selection of over 20+ cocktails and 50+ drink options for our customers; insuring that they get any information that they need.
- Learned how to perform maintenance on multiple machines in the venue: from fixing the bowling lanes when malfunctions would occur, to changing kegs and applying the precise amount of gas pressure for our draft IPA's
- **Technical Skills:** Bowling Lane Maintenance, Bar Management
- **Soft Skills:** Teamwork, Time Management, Communication, Presentation skills, Hospitality, Customer Service

### Notre Dame Catholic Sixth Form College

Leeds, UK

Student Junior Programmer

Sep 2019 - May 2021

- Independently studied the technical processes of making a website for my own learning. Learned the complex algorithms and coding standards to make the website run correctly and efficiently. Developed my own techniques to improve my workflow as well as to ensure that my product is as good as it can be.
- Learned and discovered various programming languages to ensure my website is adaptable to any situation. Devised different methods to troubleshoot issues that may be experienced during my work. Implemented safe devices to ensure no detrimental accidents occurred. Prioritised the safety of the program as a whole.
- Studied Python, Java and C to provide a decent service and great functionality to my projects so that if in future, new ways of optimisation are learned, I can implement them within my projects. Upgraded current pieces of code and equipment to ensure that it is fully optimised and up to date.
- **Technical Skills:** Python, Java, C, Algorithm knowledge, HTML, Git
- **Soft Skills:** Leadership, Time Management, Communication, Logical Thinking, Problem Solving, Documentation, Presentations

## Volunteering

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### Peer Mentor

Newcastle, UK

University of Newcastle

September 2022 - Current

- Giving my experience to help new first years adjust into their new university lifestyle. Helping them with any issues they might have, ranging from: Questions about their course, advice on any mental health problems or the best ways to navigate around Newcastle.
- Monitoring the progress of my mentees to learn how I can help them more effectively. Expanded my knowledge about information about the services Newcastle University provide, communicating any useful information to them to ensure they are all well-informed on events and opportunities.

### Music for the Elderly

Leeds, UK

Carr Manor Community School

March 2017 - March 2019

- During my studies of BTEC Health and Social Care, I offered my spare time to go down to local community homes and play the piano for them. Getting the chance to speak to many elderly people as well as there family and learn about them and their experiences and hardships.

## Assistant Overseer

Leeds, UK

Hardwood Barracks Army Reserves Centre

February 2018 - April 2018

- Assisted in planning schedules for staff, students and army trainees whilst reorganising inventory by taking stock checks and managing the system spreadsheets.
- Facilitated training processes and meetings for the army trainees as well as provided information on the phone through efficient customer service and upfront to visitors/staff members who were in need of information. Allowing me to complete tasks in order to meet my daily quota consistently, while also providing a hand for my coworkers if they were behind.
- Devised new ideas to sort their recruitment actions and file organisation using Excel and Google Sheets. Implementing a newer and more streamlined system to allow for increased workflow for the organisation - allowing us to solve issues faster and resolve any conflict within the work place.

## Interests

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**Music** I enjoy listening as well as creating and playing music. I currently play the violin having previously studied the piano and cello

**Linux** Since 2019, I have been in love with Linux. I recently switched to Mac OS, which feels like a premium of Linux.

**Athletics** I have been interested in the Athletics since I was very young, I currently run from my Universities Athletic Team

**Video Games** I always had the gaming gene. I've built my own PC and have loved experiencing different genres and stories across all platforms.

**Italian** I've been fascinated by Italian culture and having been learning how to speak the language in my free time alongside my studies.

**References available upon request.**