

# MATTHEW WIGHT

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## SUMMARY

Recently graduated Computer Science Master's student keen to be challenged and make an impact in the field of software development. Conscientious, hard-working and enthusiastic with an excellent academic record and several periods of experience working and volunteering in a wide variety of roles. Relevant experience with software development, project management, computer networks, machine learning and full stack development.

## EDUCATION

### Undergraduate Degree

2020 - 2024 University of Warwick

*MEng Computer Science, 2:1 (68%)*

*Modules include:* Software Engineering, Project Management, Database Systems, Algorithms, Operating Systems, Neural Networks, Machine Learning, Data Analytics

### A Level

2018 - 2020 Stretford Grammar School

*Mathematics: A\*    Physics: A\*    Computer Science: A\**

## PROJECTS

### Automated Image Geolocation OSINT (Master's Group Project)

2023 - 2024

- Worked as a team to design and implement an automated system to gather intelligence from images via deep learning and computer vision to achieve state-of-the-art performance on image geolocation tasks.
- Created a robust desktop app with intuitive interface and efficient back end to improve workflow for both intelligence experts and casual users.
- Utilised tech stack of Electron, Python/Django, SQLite, JavaScript/React and HTML as well as APIs from Google Cloud Platform and Azure.

### Sentiment Analysis of Political News Articles (Undergraduate Dissertation)

2022 - 2023

- Utilised ML tools including Scikit-learn, TensorFlow and Keras to build an autoencoder-based deep learning model that would predict sentiment expressed in news articles, achieving an accuracy of 95%.
- Used data visualisation tools including Tableau and Matplotlib to provide insight.

## TECHNICAL SKILLS

**Programming:** Python, C, C++, Java, C#, Bash, JavaScript, TypeScript, SQL, Haskell, MATLAB

**Software Engineering:** agile, lean, test-driven development, CI/CD, OOP, project management, PRINCE2 & waterfall

**DevOps & Cloud Services:** Git, Docker, Azure, Jira, Amazon Web Services (AWS), Google Cloud Platform

## EXPERIENCE

### Department of Computer Science, University of Warwick: Graduate Teaching Assistant

September 2023 - June 2024

- Taught students in use of Linux systems, Bash scripting, writing technical documents and Haskell programming
- Assisted with the delivery of labs sessions and providing feedback and guidance to students

### Cove, Didsbury, Manchester: Bartender

Summer 2022

- Took food and drinks orders from customers and prepared drinks in a restaurant with bar

### Ark Nightclub, Deansgate, Manchester: Bartender

Summer 2021

- Prepared drinks orders for customers and cleaned venue during and after opening hours

### Pet's Corner, Chorlton, Manchester: Volunteer

October 2018 - November 2019

- Cared for various animals including goats, chickens, ducks, rabbits and hares

## AWARDS

- UKMT Intermediate Mathematical Challenge Gold Award
- UKMT Junior Mathematical Challenge Gold Award
- Stretford Grammar Sixth Form Certificates for Outstanding Achievement in Computer Science, Physics
- Stretford Grammar Sixth Form Certificates for Outstanding Effort in Computer Science, Mathematics

## ACTIVITIES AND INTERESTS

- Currently taking driving lessons (clean provisional license)
- Guitar playing (ten years playing electric and acoustic)
- Duke of Edinburgh Gold Award (pending, all sections completed)