

# MATTHEW WIDDOP

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## PERSONAL STATEMENT

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I am currently studying an integrated master's degree in Computer Science at the University of Birmingham, currently averaging a first. I am primarily interested in cyber security and network architecture in addition to software engineering. I have a clear record showing dedication to improving the student experience throughout the university and making positive change to benefit students and staff alike.

## EDUCATION

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### University of Birmingham, Birmingham

*September 2021 - July 2026*

M.Sci. Computer Science with Industrial Year

- Security and Networks (84%)
- Functional Programming (86%)
- Object Oriented Programming (96%)
- Full Stack Application Development (100%)

### University of Birmingham, Birmingham

*September 2020 - July 2021*

B.Sc. Engineering & Physical Sciences Foundation Year

- Elementary Computer Programming (99%)

### Craven College, Skipton

*September 2018 - July 2020*

Level 3 Extended Diploma in Information Technology (D\*D\*D\*)

### South Craven Secondary School, Cross Hills

*September 2013 - July 2018*

13 GCSEs Grade 9 to 5(A\* to C)

## WORK EXPERIENCE

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### University of Birmingham

September 2023 - June 2024

*Teaching Fellow*

*Birmingham, UK*

- Provided a high level of quality teaching to first years at the university.

### School of Computer Science

September 2022 - Present

*Student Ambassador*

*Birmingham, UK*

- Helped to create a friendly and welcoming environment for perspective students to the university, providing information, tours, personal experiences and guidance.

### Guild of Students, UoB

September 2022 - Present

*Senior Student Groups Assistant*

*Birmingham, UK*

- Administrative and customer service duties for student societies at UoB. This role also includes significant contributions to the systems and procedures used by the department, in particular the data management solution.

### Guild of Students, UoB

November 2022 - Present

*Senior Security Assistant*

*Birmingham, UK*

- Provided an excellent level of customer service to other students at the university attending our events. This role has also involved assisting with the development and deployment of a new digital ticket system for events, removing the need for paper tickets for any of our events.

## PROJECTS

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All of my projects are on my github: <https://github.com/MattyTheHacker> but the highlights are:

### **Computer Science Society (CSS) Website**

- The CSS website is open source on github (<https://cssbham.com/github>) and I have contributed to both the development and maintenance of the site. Throughout this I have maintained the standards and guidelines implemented by previously to ensure that the style remains consistent and coherent.

### **TeX-Bot**

- A Discord bot designed to help societies to run their discord servers and to interact with their SU website. The bot can automatically give users additional roles if they purchase membership of the group, pulling data from the SU website (MSL) and keeping track of student IDs. It is also used to manage moderation functions, keeping track of how many strikes a user has been given as well as actions assigned to committee members. (<https://github.com/CSSUoB/TeX-Bot-Py-V2>)

### **Guild of Students Election Data**

- Recently our students union ran elections for full time officer positions and made a very limited set of data visible. I wrote a very simple script in python to grab all of the data and generate some nice graphs to present the data. (<https://github.com/MattyTheHacker/UoB-GoS-Election-Data>)

## EXTRA CURRICULAR

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### **Computer Science Society, UoB**

*Industrial Liaison, Treasurer*

February 2022 - Present

*Birmingham, UK*

- Collaborated with industry contacts to secure sponsorship agreements for the society totaling around £5,000, which is approximately 30% more than the previous year. Responsible for the financial operation of the society and ensuring financial procedures are followed. The society had a total income of approximately £18,000 this academic year, making this role a very large responsibility.

### **Guild of Students Education & Activities Committee**

*Student Representative*

October 2022 - Present

*Birmingham, UK*

- Contributed to the strategic plan of the student groups department at the Guild.

### **University of Birmingham Senate**

*UG Student Representative*

June 2022 - Present

*Birmingham, UK*

- Representing all 32,000 undergraduate students at UoB to the University Senate, which is the 3rd highest authority within the University. Contributed toward discussions and decisions that affect the entire student body.

### **College of Engineering and Physical Sciences, UoB**

*College Representative*

June 2022 - Present

*Birmingham, UK*

- Responsible for representing all 10,000 students within the college of EPS to the College Quality and Assurance Committee and the College Education Committee.

### **Misconduct and Academic Appeals Committee, UoB**

*Nominated Student*

May 2022 - Present

*Birmingham, UK*

- Considered written and oral evidence as a full member of the committee to make decisions on student cases brought before the committee. This included misconduct cases, plagiarism cases and academic appeals.

## TECHNICAL STRENGTHS & SKILLS

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<b>Programming Languages</b>	Java, Python, Haskell, C
<b>Markup Languages</b>	LaTeX, HTML, CSS, Markdown, PHP, JS, SQL, XML, JSON
<b>Protocols &amp; APIs</b>	REST, SSH, SFTP
<b>Databases</b>	MySQL, PostgreSQL
<b>OSs</b>	Windows, Ubuntu, Kali, Tails
<b>Tools</b>	Git, Visual Studio Code, IntelliJ, Excel, Google Sheets, Jupyter