

# Joshua Thompson

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## Personal Profile

A driven, adaptive learner with a deep passion for the fast-paced evolution of technology. Engagement with cutting-edge innovations, paired with a commitment to sustainability, has led to partaking in many exciting projects. Thriving on pushing boundaries and exceeding expectations. A vision-oriented collaborator able to foster meaningful relationships reflect the continuous development of technical expertise, resilience, and active listening skills.

## Work Experience

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| July – September<br>2025 (3 months)                               | <b>Data Consultant Intern</b> – BAE Systems Digital Intelligence<br>Co-developed scalable AWS cloud applications from scratch. Shaped data strategy using competitor analysis. Advised cross-functional teams on AI solution adoption, and fine-tuned LLMs for performance optimisation. Regularly presented insights and recommendations to clients and leadership, bridging technical solutions with business goals. |
| July – September<br>2024 (3 months)                               | <b>Data Engineer (Consulting) Intern</b> – BAE Systems Digital Intelligence<br>As part of an agile team, collaboration focused on researching Large Language Models and Natural Language Processing techniques to enhance automated table understanding. Contributions were made to dev tasks alongside colleagues, working together to meet sprint goals.   |
| July 3 <sup>rd</sup> – August 25 <sup>th</sup><br>2023 (2 months) | <b>Data Science Intern</b> – Penta Group<br>Core member of the data science team, creating data visualisation tools for analysts. Communication was improved to facilitate addressing complex problems. Gaining more knowledge of SQL enabled the optimization of complex queries to manipulate Big Data.  |
| July 2021 – October<br>2023 (~2 years)                            | <b>Front of House Staff</b> – Old Fold Manor Golf Club<br>Learned many catering skills and how to interact well with customers and have helped coordinate 100+ people events.  |
| June 2022 - July 2022<br>(1 week)                                 | <b>Wealth Management Work Experience</b> – St James's Place<br>Engaged with employees and set up meetings to gain insight into financial advising. Visiting the investing floor sparked an interest in ESG investing; particularly in the perspective of agricultural technology.  |

## Education

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| September 2022 –<br>June 2026 | <b>Integrated Masters (MSci)</b> – Durham University<br>4 <sup>th</sup> year MSci Joint Honours degree in Mathematics and Computer Science. 74% average from 1 <sup>st</sup> to 3 <sup>rd</sup> year (on track for a 1 <sup>st</sup> ). |
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September 2020 – June 2022	<b>A-levels</b> - St Albans School 3A*s in Mathematics, Physics and Computer Science. An A in AS Further Maths and an A in the Extended Project Qualification (EPQ).
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## Competencies

**Teamwork** – Enjoyment comes from working as a team in addition to independently. As former head of the Stephen Hawking Society, responsibilities included coordinating a team in organising lectures from prestigious field experts. This experience has led to a strong ability in promoting creative and effective solutions to novel problems in a synergistic team.

**Communication** – An ability to confidently communicate both written and verbally, whether one-to-one or in a group setting. As a welfare representative that helps first year students during their first week of university, developing active listening skills to address a range of problematic, uncomfortable and unforeseen scenarios has been crucial.

## Qualifications

2024 – Present	<b>AWS Certified Cloud Practitioner</b> – Amazon Web Services (AWS) Universally-accredited understanding of cloud services and terminology.
March 2021 - June 2021	<b>ML0101EN: Machine Learning with Python: A Practical Introduction</b> – IBM An introduction to ML techniques, operating with tools for categorizing and predicting data trends.
September 2017 – January 2020	<b>GCSEs</b> - St Albans School Awarded seven 9's, two 8's and a 6, with an average grade of 8.5.

## Other interests

Present	<b>Tennis and Hockey</b> President of the University college's Men's Hockey team and president for tennis. The enthralling pace of these games improves awareness, coordination and enable elevation of mental and physical health.
2022 – Present	<b>Code Club Volunteer</b> Attending weekly sessions to help teach and improve 8-14 year old children's coding skills.
2014 – 2021	<b>Piano Grade 8</b>

## References

Yuliya Halavachova	<b>Penta Group</b> – Senior Data Scientist <a href="mailto:yuliya.halavachova@pentagroup.co">yuliya.halavachova@pentagroup.co</a>
Ben Wulwik	<b>OakNorth Bank</b> - Head of Legal & Transaction Management <a href="mailto:ben.wulik@gmail.com">ben.wulik@gmail.com</a>