

JAMES HARVEY

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PROFESSIONAL EXPERIENCE

Mizuho

June 2023 – August 2023

Software Developer

- Operating within the ESB team, addressing Enterprise Application Integration problems
- Creating a new generation dashboard for the in-house Enterprise Integration Platform
- Presenting an ESG project on how blockchain can be utilised in the Voluntary Carbon Markets

Deutsche Bank / University of Warwick

January 2022 – May 2022

Software Engineering Project

- Working in a small team to develop a web-based solution tailored to Deutsche Bank's specifications, utilising Scrum methodology.
- Composing a detailed report and presenting the application to Deutsche Bank representatives

Tutoring

September 2018 – July 2021

- Tutoring Mathematics and Computer Science at GCSE and A-Level both in-person and online

EDUCATION

University of Warwick – MEng, Computer Science

September 2020 - July 2024

- First Class Degree (expected) – 77.4% Year 1, 73.6% Year 2, 76.4% Year 3 (80% Dissertation)
- Relevant modules: Machine Learning, Data Analytics, Neural Networks, Web Development, Data Mining, Functional Programming, Algorithmic Graph Theory, Artificial intelligence, Mathematics of Machine Learning, Database Systems, Complexity of Algorithms, Algorithmic Game Theory, Theorem Proving With Lean

Brighton, Hove & Sussex Sixth Form College – A-Level

September 2018 - July 2020

- Computer Science, Physics, Mathematics, Further Mathematics–A*A*A*A*
- Finalist in the BEBRAS computational thinking challenge at the Department of Computer Science at the University of Oxford

Blatchington Mill School – GCSE

September 2013 - July 2018

- 10 GCSEs, including grade 9 in Mathematics, Physics, Chemistry, Biology and grade 7 in English Literature

TECHNICAL SKILLS

Programming: Python, C, C++, Java

Machine Learning: Neural Networks, Regression, Clustering, SVMs, PCA, Deep Learning

Full Stack Developer: HTML, CSS, JavaScript, PHP, SQL, Postgres, Flask, Vaadin

Project Management Tools: Git, Jira, Confluence, Scrum, Github, Bitbucket

Other:

- Functional Programming (Haskell, Lean)
- Strong written and verbal communication
- Algorithms and Complexity
- Public speaking

ACTIVITIES AND ACHIEVEMENTS

Vice President – University of Warwick Watersports Society

September 2022 – Present

Overseeing the society's budget, allocating funds efficiently whilst liaising with the Student Union to maximise event quality while maintaining financial health

Gold CREST Award – Mott MacDonald

Working with mentors at Mott MacDonald over six months, delivering a presentation to a panel of industry experts

UKMT Maths Challenge finalist and gold medalist in years 7-12