

Alex Wendland

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PERSONAL STATEMENT

I am an ethical data driven python programmer with a passion for automation, mathematics and solving problems. I have led projects, teams and organisations with a focus on sustainable learning, efficiency and communication.

EMPLOYMENT HISTORY

2023–CURRENT	Engineer – MAN GROUP, LONDON <ul style="list-style-type: none">Modeled and implemented a new data pipeline to increase brand taxonomy.Organised Hackathon to upgrade python package versions within data tooling.Improved developer experience of using data tooling by introducing pre-commit and ruff.Added automation to reduce developer time involved in the engineering support process.
2021–2023	Data Scientist/Head of Data – CC DATA, LONDON <ul style="list-style-type: none">Developed a data pipeline to process, store and analyse blockchain data bringing a new product to market.Developed a CI/CD pipeline for our data monitoring microservices using docker, github actions, Azure cloud storage and kubernetes.Wrote python micro-processes in docker containers to calculate metrics on over 100TB of data daily to solve customer questions.Set up and ran monthly educational seminars on blockchain data company wide.Created and led the product development team to deliver multiple new products to market.Formed a cross-team data organisation which focused on developing data infrastructure.
2020–2021	Civil Service, Science and Engineering Fast Stream – CABINET OFFICE, LONDON <ul style="list-style-type: none">Project-managed high-profile technical reports with multiple stakeholders within the Advisory Council for the Misuse of Drugs: ACMD advice on consumer cannabidiol (CBD) products and Consideration of barriers to research: part 1.Organised the analysis of the departmental staff survey to derive key targets with the objective to increase inclusivity and diversity.
2015–2020	Researcher – UNIVERSITY OF WARWICK – DEPARTMENT OF MATHEMATICS <ul style="list-style-type: none">Won multiple awards whilst building a strong academic portfolio in leading journals such as Advances in Mathematics, Annals of Applied Probability and the Journal of Graph Theory.Worked with Centre for Science and Policy, Heathrow airport and Defence Science and Technology Laboratory.Earned funding in 2013 from JISC to develop a virtual learning platform in django (python).Was an award winning teacher at all levels and formats: lecturing masters level courses to helping underprivileged A-Level students one-on-one.

EDUCATION

2023 – current	Msc in COMPUTER SCIENCE, Georgia Institute of Technology , Online OMCSC with specialisation in Machine Learning
2015 – 2020	PhD in MATHEMATICS, University of Warwick , Coventry “Generalisations of Groups and Cayley Graphs” under the supervision of Agelos Georgakopoulos
2011 – 2015	Masters in MATHEMATICS, University of Warwick , Coventry 1 st Class Hons (91% average)
2004 – 2011	Secondary school, Beechen Cliff School , Bath A Levels: Further Maths (A*), Maths (A*), Physics (A)

KEY SKILLS

Developer-level languages:	Python and LATEX
Working-level languages:	C, SQL, and JavaScript
Tools:	Git, Github actions, Google suite, Docker, Kubernetes, Obsidian, and Snowflake.
Transferable:	Problem solving, Project Management, and Communication.