

# 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	<b>Engineer – MAN GROUP, LONDON</b> <ul style="list-style-type: none"><li>Working in the data platform team building ETL, data management and data quality tools for other engineers.</li></ul>
2021–2023	<b>Data Scientist/Head of Data – CC DATA, LONDON</b> <ul style="list-style-type: none"><li>Researched and developed a data pipeline to process, store and analyse blockchain data.</li><li>Developed a CI/CD pipeline for our data monitoring microservices using docker, github actions, Azure cloud storage and kubernetes.</li><li>Wrote python micro-processes in docker containers to calculate metrics on over 100TB of data daily to solve customer questions.</li><li>Set up and ran monthly educational seminars on blockchain data.</li><li>Created and led the product development team to deliver multiple new products to market.</li><li>Formed a cross-team data organisation which focused on developing data infrastructure.</li></ul>
2020–2021	<b>Civil Service, Science and Engineering Fast Stream – CABINET OFFICE, LONDON</b> <ul style="list-style-type: none"><li>Project-managed high-profile technical reports with multiple stakeholders within the <a href="#">Advisory Council for the Misuse of Drugs: ACMD advice on consumer cannabidiol (CBD) products</a> and <a href="#">Consideration of barriers to research: part 1</a>.</li><li>Managed internal stakeholders by developing road maps, regular updates, and resolving different requirements, and external stakeholders by organising call for evidence sessions, evidence gathering sessions, and public correspondence.</li><li>Organised the analysis of the departmental staff survey to derive key targets with the objective to increase inclusivity and diversity.</li></ul>
2015–2020	<b>Researcher – UNIVERSITY OF WARWICK – DEPARTMENT OF MATHEMATICS</b> <ul style="list-style-type: none"><li>Won multiple awards whilst building a strong academic portfolio in leading journals such as <a href="#">Advances in Mathematics</a>, <a href="#">Annals of Applied Probability</a> and the <a href="#">Journal of Graph Theory</a>.</li><li>Worked with <a href="#">Centre for Science and Policy</a>, <a href="#">Heathrow airport</a> and <a href="#">Defence Science and Technology Laboratory</a>.</li><li>Was an award winning teacher at all levels and formats: lecturing masters level courses to helping underprivileged A-Level students one-on-one.</li><li>Earned funding in 2013 from <a href="#">JISC</a> to develop a virtual learning platform in django (python).</li><li>Chaired the main student forum for change within the department for 3 years and was an active member of our diversity committee.</li></ul>

## EDUCATION

2023 – current	Msc in COMPUTER SCIENCE, <b>Georgia Institute of Technology</b> , Online “Generalisations of Groups and Cayley Graphs” under the supervision of <a href="#">Agelos Georgakopoulos</a>
2015 – 2020	PhD in MATHEMATICS, <b>University of Warwick</b> , Coventry “Generalisations of Groups and Cayley Graphs” under the supervision of <a href="#">Agelos Georgakopoulos</a>
2011 – 2015	Masters in MATHEMATICS, <b>University of Warwick</b> , Coventry 1 <sup>st</sup> Class Hons (91% average)
2004 – 2011	Secondary school, <b>Beechen Cliff School</b> , Bath A Levels: Further Maths (A*), Maths (A*), Physics (A)

## KEY SKILLS

Developer-level languages:	Python and L <sup>A</sup> T <sub>E</sub> X
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.