

Alex Wendland

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PERSONAL STATEMENT

I am an ethical data specialist with a passion for automation, mathematics and most importantly solving problems. I apply the scientific method (conjecture-test-learn-repeat) in all layers of my life. I have led projects, teams and organisations with a focus on sustainable learning, efficiency and communication.

EMPLOYMENT HISTORY

2023-CURRENT	Head of Data – CRYPTOCOMPARE, LONDON <ul style="list-style-type: none">Created and led the product development team to deliver multiple new products to market.Formed a cross-team data organisation which has quarterly retros to solve joint problems, training sessions on tools within our tech stack, and project sharing between teams.
2021-2023	Data Scientist – CRYPTOCOMPARE, LONDON <ul style="list-style-type: none">Researched and developed a data pipeline to process, store and analyse blockchain data.Developed a CI/CD pipeline for our data monitoring microservices using docker, github actions, Azure cloud storage and kubernetes.Sought out and built relationships with established data analytics and visualisation providers to build a long-term mutually-beneficial partnership.Wrote python micro-processes in docker containers to calculate metrics on over 100TB of data daily to solve customer questions, allowing us to secure these as repeat customers.Set up and ran monthly educational seminars on blockchain data with a wide audience.
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.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.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.Was an award winning teacher at all levels and formats: lecturing masters level courses to helping underprivileged A-Level students one-on-one.Earned funding in 2013 from JISC to develop a virtual learning platform in django (python).Chaired the main student forum for change within the department for 3 years and was an active member of our diversity committee.

EDUCATION

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, Shell and JavaScript
Tools:	Git, Github actions, Google suite, Docker, Kubernetes, Obsidian, notion and Web3.
Transferable:	Problem solving (Developed multiple products focusing on customer pain points), Project Management (Led multiple across-team projects), and Communication (lecturing to large audiences, built relationships with clients and partners).