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

- 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

- 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

- 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

- 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
	1st 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 (Devloped mutliple 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).