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 (ideate-test-learn-repeat) in all layers of my life. I have lead projects, teams and organisations with a focus on sustainable learning, efficiency and communication.

Employment History

2021–Current

Data Scientist – CryptoCompare, London

- Researched and developed a data pipeline to collect, process and store 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.
- Worked with clients to research, formalise, and implement metrics on TB's of data.
- Created and led the product development team to deliver multiple new products to market.
- Formed a cross-team data organisation to improve collaboration, coding standards, and knowledge of our tech stack.
- Set up and ran monthly educational seminars on blockchain data with attendance of over 20 people.

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 and objects, increasing inclusivity and diversity.

2011–2020

Reseacher and Teacher – University of Warwick

- 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:	Git, C, SQL, Bash and JavaScript
Tools:	Github actions, Google suit, Docker, Kubernetes, Obsidian, notion and Web3.
Transferable:	Data analysis, visualisation, and interpretation, maths, statistics, leadership, communication, problem solving, collaboration, agile organisation, research, relationship building, and teaching.