Thomas Şerban von Davier

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EDUCATION

University of Oxford, Oxford, UK   2024

Doctor of Philosophy in Computer Science, DPhil

Carnegie Mellon University, Pittsburgh, PA, USA   2019

Master of Human Computer Interaction, MHCI

Carnegie Mellon University, Pittsburgh, PA, USA   2019

Bachelor of Science, Human Computer Interaction and Psychology

PROFESSIONAL EXPERIENCE

Carnegie Mellon University Software Engineering Institute, Arlington, VA, USA   Present
AI Research Scientist

- Implemented 6+ AI models for customer use case, improving solution accuracy by 15%.
- Developed custom LLM-base toolkits that reduced client development time by 20%.
- Led teams of 5+ researchers and developers, our inference projects were adopted in 5 systems.

Oxford Centre for Technology and Development (OCTD), Oxford, UK   Present
Senior Academic Researcher

- Advised 3 Fortune 500 firms and government agencies, enabling their access to missing datasets across 19 countries.
- Facilitated 3 partnerships leading to joint ventures between startups and major tech firms.
- Authored 3 technical reports used in 4 deployments of Bayesian inference on missing datasets across the MENA region.

Big Dada Ltd., Oxford, UK   2023 - 2024
Full Stack Developer

- Managed back-end cloud architecture handling 1M+ image/text data entries.
- Built an elastic search feature that reduced image text retrieval latency by 5 seconds.

Chemistry Agency, Pittsburgh, PA, USA   2020 - 2022
Senior Research Data Engineer

- Built data pipelines processing over 50M data points; enhanced customer conversion rate by 85%.
- Trained and mentored 3 teams of 7develops and analysts, enabling consistent KPI growth for clients.
- Resolved data discrepancies and bottlenecks that increase campaign ROI by 35%.

SKILLS

Programming languages: Python, C++, Javascript, HTML, CSS, R, C#, Go, SQL

Computer software/ frameworks: Microsoft Office Suite, Adobe Creative Cloud, React, Node, Docker, Angular, BigQuery, TensorFlow, Keras, PyTorch, Git, AWS, Google Analytics, Figma