

# Thomas Șerban von Davier

A human-centered data engineer with interdisciplinary expertise in computer science and social sciences committed to working on research that matters to everyday people. Actively engaged in collaborations with talented and diverse groups to revolutionize the status quo.

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## Education

**University of Oxford, Oxford Oxfordshire** Apr. 2024

DPhil (PhD) Computer Science

*Research Area:* Artificial Intelligence applications within the Arts, Ethical Web and Data Architectures, Human Centered AI, and Algorithm Accountability.

**Carnegie Mellon University, Pittsburgh PA** Dec. 2019

Master of Human-Computer Interaction

*Selected Coursework:* Interaction Design Studio II, Digital Service Innovation, Morphing Materials, and Gadgets Sensors and Active Receptors.

**Carnegie Mellon University, Pittsburgh PA** May 2019

B.S. in Psychology and Human Computer Interaction

*Selected Coursework:* User Centered Research and Evaluation, Statistical Methods, Programmable User Interfaces, Research Methods in Cognitive Psychology, Understanding Game Engines, and Design Educational Games.

## Experience

**Big Dada Ltd., Oxford UK** Present

Full Stack Developer

Working on a data collection tool with Amazon Web Services, Docker Containers, Elastic Search to scrape and then analyze green washing advertisements across the Internet.

**OCTD Ltd., Oxford UK** Present

Senior Academic Researcher

Working on various consulting projects for Oxford Centre for Technology and Development (OCTD) Ltd. as a Senior Academic Researcher. Offering my skills and background in Computer Science to new and challenging issues.

**Chemistry Agency, Pittsburgh PA** Mar. 2020 - Jan. 2022

Senior Research Data Engineer

A Research Data Engineer is a specialized version of the more general Data Engineer role. Analysts take the role of developing data plans, executing measurements, conducting analyses, and presenting visualizations and results all within the context of customer behavior. It serves as the link between helping clients keep track of their critical metrics, KPIs, and Business goals while being rooted in observing and tracking user behavior and making recommendations based on Human-Centered Design insights.

**Principium Praxi, Pittsburgh PA** Jul. 2020 - Jul. 2021

Founder and President

Small content creation company focused on providing in-depth valuable data science education via Medium and social media.

**Tepper School of Business at CMU, Pittsburgh PA** Aug. - Dec. 2019

MBA Teaching Assistant

Helped teach MBA students the basics of Human-Computer Interaction and why it is valuable for tech executives to have a firm grasp of the methods and practice. My responsibilities included: Developing the curriculum, grading papers, running office hours, and teaching lectures.

## Skills

### Research

Experimental Design

Interviewing

Statistical Modelling

Human Subjects Research

Heuristic Evaluation

Usability Testing

### Programming

Python

R, SPSS, MiniTab

HTML, CSS, Javascript

Node.js

AngularJS, React

C++

C#

### Tools

Amazon Web Services

Google Cloud Tools

Git/Github

Redshift

Docker

Google Analytics

Google Data Studio

TensorFlow / Keras

Unity

BigQuery

Adobe Creative Suite

Microsoft Office Suite

Sketch/Figma/InVision

### Languages

English

German

Spanish

Romanian

### Certificates

Google Analytics

Individual Qualification

Fundamentals of

Digital Marketing