Tim Luka Horstmann

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EDUCATION

Sep. 2024– Oct. 2025 — **Institut Polytechnique de Paris**, France | PhD Track in Computer Science & MSc in Data and AI
- **Current Grade: 20.0/20.0** (scale 0-20, 20 being best)
- Directly admitted to the second year of the Data and Artificial Intelligence master's program
- Courses on Deep & Reinforcement Learning, NLP, Logic & Symbolic AI, Data Mining, and AI Ethics

Oct. 2023– June 2024 — **University of Cambridge**, United Kingdom | MPhil in Advanced Computer Science
- **Grade: Distinction (86%), graduated 3rd out of 61 students, awarded college prize**
- Thesis: legal NLP system to automate discovery and ontology matching of financial regulations
- Courses on NLP, Multicore Semantics & Programming, Cybercrime, and Mobile Health
- Senior rower at college boat club (stroke and 6 seat, awarded super blades during May Bumps)

Oct. 2019– Sep. 2022 — **RheinMain University of Applied Sciences**, Germany | BSc in Business Informatics
- **Grade: 1.0, top of the year, graduated with distinction** (scale 1–5, 1 being best)
- First and only student in this degree program ever to achieve the highest possible GPA of 1.0
- Thesis: XGBoost-based time series forecasting algorithm for customer demand planning

Aug. 2011– Aug. 2019 — **Städtisches Gymnasium Erwitte**, Germany | Allgemeine Hochschulreife (university entrance qual.)
- **Grade: 0.9, top of the year** (scale 1–5, 1 being best)
- Chosen to participate in federal state's 18. Academy for Mathematics and Computer Science

WORK EXPERIENCE

May 2023– July 2023 — **McKinsey & Company, Fellow Intern** | Munich, Germany _(Received full-time return offer)_
- Advised leading European automotive supplier on a multiyear sustainable transformation program to increase profitability and adapt to disruptive industry trends like electrification
- Developed financial analyses and risk assessments presented to CEO, CFO, and supervisory board

Oct. 2022– Apr. 2023 — **Amazon, Business Intelligence Intern** | London, United Kingdom _(Received full-time return offer)_
- Led inbound logistics project for Amazon's PanEu surface network, achieving $38M/year impact
- Worked with stakeholders across different organizations and drove resolution of the defect by setting up a QuickSight dashboard on top of Redshift ETL pipelines and implementing ML models

Sep. 2019– Sep. 2022 — **Continental AG, Dual Student** | Frankfurt, Germany _(Received multiple full-time return offers)_
- Three years of employment in various IT departments alongside full-time university studies
- Automated configuration of IoT-Devices in 55 plants creating savings of 450,000€/year
- Integrated low-code platform Mendix into existing IT infrastructure, incl. SSO and REST services
- Developed novel AI model for demand forecasting, with 37% higher R^2 than prior approaches

EXTRACURRICULAR ACTIVITIES

Volunteer Activities
- Saxophonist in symphonic wind orchestra Hellwegmusikanten Erwitte e.V.
- Founding board member of political youth organization Junge Union Erwitte, member of CDU

Societies
- Cambridge Union (since 2023)
- Cambridge University German Society (since 2023)
- German Informatics Society (since 2021)
- Association of German Engineers (2021–2022)

SKILLS & INTERESTS

Languages
German (native) | English (fluent, TOEFL: 109) | French (fluent, DELF A1, A2 & B1, DFP affaires B2)

IT-Skills
Python (adv.), incl. Jupyter | Java (adv.) | SQL (adv.) | VBA | JavaScript | HTML/CSS | Ruby
Machine Learning (PyTorch, transformers, scikit-learn, Pandas, NumPy) | Matplotlib | ETL | IoT

Scholarships & Career Programs
- France Excellence Europa: awarded to a select group of top-performing EU students (since 2024)
- IP Paris Excellence: awarded for academic excellence; full funding of MSc & PhD (since 2024)
- Studienstiftung: awarded for outstanding academic performance and potential (since 2021)
- Deutschlandstipendium: awarded for excellent academic and social achievements (2019–2020)
- McKinsey College | McKinsey Firsthand | BCG LINK | BCG Emerald | Bain Spark | e-fellows.net

Awards
- Alumni Association Prize for Graduate Excellence, University of Cambridge
- Honored for outstanding achievements in Mathematics by the German Mathematical Society
- Honored as one of the best Abitur graduates of NRW, Germany's largest federal state

Interests
Artificial Intelligence | Space Travel | Stock Trading | Piano | Rowing | Tennis | Hiking | Travelling