

# Tim Luka Horstmann

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## EDUCATION

- Sep. 2024– **Institut Polytechnique de Paris**, France | PhD Track in Computer Science & MSc in Data and AI  
Oct. 2025
  - Directly admitted to the second year of the Data and Artificial Intelligence master's program
  - Courses on NLP, Reinforcement Learning, Logic & Symbolic AI, Data Mining, and AI Ethics
- Oct. 2023– **University of Cambridge**, United Kingdom | MPhil in Advanced Computer Science  
June 2024
  - Grade: Distinction (86%), graduated 3<sup>rd</sup> out of 61 students**
  - 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– **RheinMain University of Applied Sciences**, Germany | BSc in Business Informatics  
Sep. 2022
  - Grade: 1.0, top of the year, graduated with distinction** (scale 1–5, 1 being best)
  - First and only student ever in this degree program to achieve the highest possible GPA of 1.0
  - Thesis: XGBoost-based time series forecasting algorithm for customer demand planning
  - Member of academic audit committee overlooking all Computer Science courses at university
- Aug. 2011– **Städtisches Gymnasium Erwitte** | Allgemeine Hochschulreife (university entrance qualification)  
Aug. 2019
  - 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– **McKinsey & Company, Fellow Intern** | Munich, Germany (Received full-time return offer)  
July 2023
  - 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– **Amazon, Business Intelligence Intern** | London, United Kingdom (Received full-time return offer)  
Apr. 2023
  - 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 using machine learning
- Sep. 2019– **Continental AG, Dual Student** | Frankfurt, Germany (Received multiple full-time return offers)  
Sep. 2022
  - 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 customer demand forecasting, integrated into the strategic semiconductor project; outperformed existing algorithms with 37% higher accuracy

## 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** Programming Languages:
  - Python (advanced)
  - SQL (advanced)
  - JavaScript (intermediate)
  - Ruby (beginner)
  - Java (advanced)
  - VBA (advanced)
  - HTML/CSS (intermediate)Further Skills: Machine Learning (PyTorch, scikit-learn, Pandas, NumPy) | Ansible | ETL | SAP | 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**
  - Honored for outstanding achievements in Mathematics by the German Mathematical Society
  - Honored for outstanding accomplishments as one of the best graduates of North Rhine-Westphalia, Germany's largest federal state, by Minister-President (ret.) Armin Laschet
- Interests** Artificial Intelligence | Space Travel | Stock Trading | Piano | Rowing | Tennis | Hiking | Travelling