

# Tim Luka Horstmann

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## EDUCATION

- Sep. 2024 - **Institut Polytechnique de Paris**, France | MSc in Data and Artificial Intelligence
- Oct. 2025
- Directly admitted to the second master's year (M2) as part of the PhD Track in Computer Science
  - Courses on NLP, (Big) Data Mining, Logic & Symbolic AI, and Reinforcement Learning
- 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**
  - MPhil project: NLP system to automate analysis of financial regulations for improved compliance
  - Courses on NLP, Multicore Semantics & Programming, Cybercrime, and Mobile Health
  - 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)
  - 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 automotive supplier in achieving a sustainable future through transformation program
  - Conducted financial analyses and presentations for CEO, CFO, EVPs, 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 organisations 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
- Exemplary projects:**
- Headed project with multinational team developing Ansible program for automatised configuration of IoT-Devices in 55 plants creating savings of 450,000€/year
  - Adjusted low-code platform Mendix to existing IT landscape by configuring connection between Mendix and internal servers, enabling SSO capabilities (Keycloak), and consuming REST services

## EXTRACURRICULAR ACTIVITIES

- Volunteer**
- Saxophonist in symphonic wind orchestra Hellwegmusikanten Erwitte e.V.
- Activities**
- Founding board member of political youth organisation 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
- Scholarships**
- France Excellence Europa Scholarship: Awarded >15,000€ (since 2024)
  - Institut Polytechnique de Paris Excellence Scholarship: Awarded >90,000€ (since 2024)
  - Studienstiftung des deutschen Volkes: Awarded >30,000€, granted to less than 0.5% of German students by Germany's largest, oldest, and most prestigious scholarship foundation (since 2021)
  - Deutschlandstipendium: Awarded 3,600€ (2019 - 2020)
- Career Dev. Programs**
- Bain Spark (since 2023) | McKinsey College (since 2023) | BCG LINK (since 2023)
  - BCG Emerald (since 2022) | McKinsey Firsthand (since 2021) | e-fellows.net (since 2019)
- Awards**
- Honoured for outstanding achievements in Mathematics by the German Mathematical Society
  - Honoured for outstanding accomplishments as one of the best graduates of North Rhine-Westphalia, Germany's largest federal state, by Minister-President (ret.) Armin Laschet
  - Honoured as one of the best graduates from Continental AG's corporate dual study programme
- Interests** Artificial Intelligence | Space Travel | Stock Trading | Piano | Rowing | Tennis | Hiking | Travelling