

Ben Hauptvogel

Berlin, Germany
+49(0)152 31914208 | hauptvogel.ben@gmail.com

PROJECTS

- 2023 - 2024 **AI Research, German Research Center for Artificial Intelligence**
- Trained LLMs on large-scale GPU clusters
 - Improved reward models for Reinforcement Learning from Human Feedback (RLHF) by extending existing datasets using weak supervision
 - **Peer-reviewed IEEE publication:** “Language Modeling with Reinforcement Learning from Human Feedback with Weak Supervision” ([IEEE](#), [ArXiv](#))
- 2025 **Research Tool, Daimler Center for Automotive IT Innovations**
- Built an interactive map tool, as part of the course “Automated and connected driving”, to visualize digital grid systems for organizing geographic information

WORK EXPERIENCE

- 2023 - 2024 **Teaching Assistant, Technical University Berlin**
- Supervised small classes, ran exercise sessions and supported organization for the courses “Media Project” and “Algorithms and Data Structures”
- 2021 - 2023 **Full Stack Web Developer, smart medication eHealth GmbH**
- Developed healthcare web applications with stringent data privacy standards for pharmaceutical companies and doctors
 - Used Vue.js for frontend development and Node.js for backend development
- 2021 **Video Production, Technical University Berlin Faculty IV**
- Conceptualized and created informative videos aimed to explain student web services offered by the Technical University Berlin

EDUCATION

- 2024 - present **Technical University Berlin *MSc Computer Science***
- Main subject: Cognitive Systems and Machine Learning
- 2025 - 2026 **University of Ljubljana, Slovenia *Erasmus+ Program***
- Focus: Bioinformatics and Computational Genomics
- 2020 - 2024 **Technical University Berlin *BSc Computer Science and Digital Media***
- Awarded for exceptional academic performance as a top graduate in 2023/2024
 - Relevant courses:
 - Cognitive Algorithms (ML)
 - Algorithms and Data Structures
 - Partial Differential Equations

SKILLS & INTERESTS

- Languages German (native), English (C1), French (A2)
- Technologies Python, PyTorch, Linux, vim, tmux, git, C/C++, Java, Javascript, HTML, CSS
- Interests Video and Film Production, Basketball, Climbing, Game Theory