

JONAS CHRISTIAN ÖCHSNER

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EDUCATION

TU Dublin

ERASMUS Exchange (Computing)

Dublin, Ireland

Sept. 2026 – May 2027

Universität Bamberg

B.Sc. Angewandte Informatik (Applied Computer Science)

Bamberg, Germany

Oct. 2024 – PRESENT

Röntgen-Gymnasium Würzburg

Abitur (Grade 2.0)

Würzburg, Germany

Sep. 2016 – Jul. 2024

EXPERIENCE

Software Development for AI-Powered Data Protection Classification

LIfBi: Leibniz-Institut für Bildungsverläufe

Oct. 2025 – PRESENT

Bamberg, Germany

- Run an own agile-managed software project (see below), from requirements engineering through maintenance
- Ensure the solution complies with European data protection law
- Handle customer communication and set up Continuous Integration for the project

Tutor, “Introduction to AI”

Cognitive Systems Chair, Otto-Friedrich University Bamberg

Jul. 2026 – PRESENT

Bamberg, Germany

- Teach and support students in the “Introduction to AI” course

Temporary Delivery Driver

Viktor Nußbaumer Bestes für Küche und Gastlichkeit GmbH & Co. KG

Jul. 2024 – Aug. 2024

Kürnach, Germany

Picker

Hans Geis GmbH + Co KG

Jul. 2022 – Aug. 2022

Kürnach, Germany

PROJECTS (BOTH CLOSED SOURCE)

Raven’s Progressive Matrices – Abstract Visual Reasoning | *Python, PyTorch*

Mar. 2026 – Aug. 2026

- Team project (Cognitive Systems, Universität Bamberg) on trying to replicate “An Interpretable Neuro-symbolic Model for Raven’s Progressive Matrices Reasoning”, Zhao et al. (2023)
- Reproduced two published dataset generators (RAVEN, RAVEN-FAIR)
- Reproduced the three-stage neuro-symbolic reasoning pipeline (CNN → supervised VAE for semantic attribute extraction → cognitive-map relational reasoning) from the paper, achieving 94% Prediction Accuracy

LLM-Powered GDPR Compliance Classifier | *Python, PostgreSQL, Docker, Ollama*

Oct. 2025 – PRESENT

- Built a tool for LIfBi that classifies survey questions against the special categories of personal data from Art. 9 GDPR
- Developed full stack: SvelteKit/TypeScript frontend and API routes, PostgreSQL schema, and a three-container Docker Compose deployment (load balancing with Kubernetes is planned)
- Ran all LLM inference locally through Ollama to protect sensitive institute data

HIGHLIGHTED GRADES (AVERAGE SCORE 1.98, 99 CREDITED ETCS)

Statistics & Data Science (2.0) | Discrete Modelling (1.3) | Java Programming (1.3) | Linear Algebra (1.3)

DevOps for AI Systems (1.3) | Analysis (1.7) | Introduction to AI (1.7) | Introduction to ML (1.7) | European Data Protection Law (2.3)

SKILLS

Languages: Python, Java, R, SPSS (introductory), C-style languages (introductory)

Libraries & Tools: PyTorch, NumPy, Pandas, UML, Git

Concepts: Machine Learning, Data Science, Distributed Systems, Object-Oriented Architecture Patterns

Practices: Agile Project Management, Requirements Engineering, Continuous Integration, Software Maintenance

Spoken Languages: German (native), English (certified B2)