Anton Zamyatin

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Skills

Languages	English (IELTS 8), German (native), Russian (fluent), French (basic)
Systems Programming	Python, Java, C, JS/TS
Data Modeling	PyTorch, Lightning, SQL, R
Software Engineering	Docker, Spring Boot, Angular, React, Vue

Experience

TU Wien, Heid Group · *Research Intern* — Apr 2025 – present

- Developing of a modular deep learning framework for chemical reaction modeling.
- Conducting research on molecular solubility prediction using graph neural networks (GNNs).

Google Developer Group @TU Wien · *Co-Organizer* — Mar 2025 – present

- Austria's largest chapter of Google's global developer network, based in Vienna.
- We host paper discussions, hands-on workshops, and guests from research and industry.

Essen auf Rädern (Student Software Project) · *Software Engineer* — Mar 2024 – Jun 2024

- Developed order management software for a social service SME which delivers meals to the elderly.
- Led frontend development using Angular and RESTful services built with Java & Spring Boot.
- Collaborated in a student team following agile SCRUM practices.

Max Perutz Labs · *Summer Intern* — Jul 2023 – Sep 2023

- Systematically validated gene expression protocols for inflammation research.
- Conducted transfection and transduction experiments in human cells lines.
- Performed protein expression assays (Western Blot, qRT-PCR, ELISA, IF microscopy).

Education

TU Wien · *BSc Compute Science with Honors* — Oct 2022 – Jun 2026

- Grade: 1.47 (equivalent to 3.8 GPA, top 5% of students)
- Thesis: "Low-Rank Ensembles for Efficient and Robust Uncertainty Estimation of Neural Networks"

University of Vienna · *Interdisciplinary Studies in Molecular Biology* — Oct 2022 – Jun 2024

- Completed 50 credits worth of coursework alongside computer science degree.
- Focused on chemistry, structural biology and bioinformatics.

Theresianische Akademie Wien · *High School* — Sep 2014 – Jun 2022

- GPA: 1.0 (equivalent to 4.0 GPA)

Personal Projects

`quizard`	AI-powered flashcard generator with Python, React, Docker (code)
`message-broker`	DNS-based message broker with leader election and UDP monitoring in Java (code)
`cdc-covid-19`	Comorbidity analytics dashboard in Python (code)

Relevant Coursework

Machine Learning, Mathematics I/II/III, Data Analysis, Theoretical Computer Science, Algorithms & Data Structures, Computer Vision, Software Engineering, Distributed Systems, Operating Systems, Database Systems, Bioinformatics, Computational Structural Biology, Structural Biology I/II/III, Chemistry I/II, Immunology.

References

Prof. Thomas Gärtner · TU Wien, ML Unit
Prof. Pavel Kovarik · Max Perutz Labs