Lorin Urbantat

Computer Science Student at ETH Zurich & Software Engineer @ ETH-GTC

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Education

2025 – present	**ETH Zurich, MSc Computer Science**
	- Major: Data Management Systems
2020 - 2024	**ETH Zurich, BSc Computer Science**
	- Graduated August 2024 with 5.04 GPA
	- Parallel Programming (5.75), Numerical Methods (5.75), Analysis (5.5), Visual Computing (5.75), Angewandte Computer Architektur (6)
2007 - 2020	**Waldorfschule Mülheim an der Ruhr, Abitur**
	- Grade 1.3 (best - 1.0, worst - 6.0)
2019	**Deutsche Schüler Akademie, Summer School for gifted Students**

WORK EXPERIENCE

2025 - now	**Coach @ mint & pepper**
	- Introduce children and young people to AI
2023 - now	**Software Engineer @ ETH Game Technology Center**
	- Morph Tales Game developed in Unity 3D
	- Implement Analytics pipeline (Firebase, BigQuery, Looker Studio)
	- Implement GenAI in game characters
2023 - 2023	**Calculus Exam-Preparation Course**
	- Exam preparation course with approximately 20 participants
2023 - 2023	**Calculus Teaching Assistant, ETH Zurich**
	- Host Exercise Classes with 15 - 30 Students
2021 - 2022	**House Representative, WOKO Studentische Wohngenossenschaft**
	- Organization of move-outs/ins and Communication between Students and WOKO
2017 - 2019	**Tutor, Waldorfschule Mülheim an der Ruhr**
	- Tutorial classes (10 - 25 participants) in Math and Computer Science
2017	**Intern, Department of Experimental Neurosurgery Charité**
	- Internship at Neurosurgery Lab at Charité

PERSONAL PROJECTS & RELEVANT EXPERIENCE

2024 - 2025	**Flateroo – Flatshare platform**
	- react-native application with real-time chat, video streaming infrastructure
	- node backend with video transcoding, PostgreSQL, fly.io
2024	**Elect-o-Mate – AI Powered Voting Advice application for elections**
	- RAG tool that answers questions about parties and policies
2023	**TLDR – Lecture Summarizer (VIScon Hackathon)**
	- lecture summarizer using (OpenAI Whisper and API) to create searchable lecture summaries from videos
2022	**3 Node Kubernetes Cluster based on k3s**
	- 3 Node k3s cluster. Deployed on 3 LXC containers on Proxmox
	- metallb, Traefik, cert-manager
2022	**bruol.me – Portfolio website**
	- Simple website built with static website generator hugo (https://bruol.me/)

SKILLS & INTERESTS

Languages	German (native), English (fluent), French (DELF B1)
Technologies	**Advanced:** C, C++, Typescript, React, Python, Java, Git, Linux, Containerization (Docker, Kubernetes), Unity 3D, React-Native, Node, SQL, Retrieval Augmented Generation, AI, PCA
	Good: Ansible, Latex, X86 Assembly, Eigen, FPGA, Bash, Virtualization, BigQuery, Firebase, Google Looker Studio, Jenkins
Interests	Biking, Sports, Cooking, Dancing, Singing
Skills	Communication, Time Management, Analytical Thinking, Problem Solving