Lorin Urbantat

Computer Science Student at ETH Zurich & Student Assistant at ETH GTC

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EDUCATION

2020 – 2024	**ETH Zurich, BSc Computer Science**
	• Expected graduation August 2024 (Currently in last Semester)
	• Parallel Programming (5.75), Numerical Methods (5.75), Analysis (5.5), Visual Computing (5.75)
2007 - 2020	**Waldorfschule Mühlheim an der Ruhr, Abitur**
	• Grade 1.3 (best - 1.0, worst - 6.0)
2019	**Deutsche Schüler Akademie, Summer Camp**
	• Course on Topology (Theory and application with Python)

WORK EXPEIRIENCE

2023 – now	**Student Assistant at ETH Game Technology Center**
	• Propel Morph Tales Game developed in Unity 3D forwards
2023 - 2023	**Analysis 1 Exam-Preparation Course**
	• Teaching Exam preparation Course with approximately 20 Participants
2023 - 2023	**Analysis 1 Teaching Assistant, ETH Zurich**
	• Host Exercise Classes with 15 - 30 Students
	• Correct Exercise Sheets and give Feedback
2021 - 2022	**House Representative, WOKO Studentische Wohngenossenschaft**
	• Organization of move-outs/ins and Communication between Students and WOKO
2017 - 2019	**Tutor, Waldorfschule Mühlheim an der Ruhr**
	• Tutorial classes (10 - 25 participants) in topics such as Math and Computer Science
2017	**Intern, Department of Experimental Neurosurgery Charité**
	• Internship at Neurosurgery Lab at Charité

PERSONAL PROJECTS & RELEVANT EXPERIENCE

2024	**Elect-O-Mate.eu – Election information Assistant for 2024 EU-Elections**
	• RAG Pipeline, that uses party manifestos as well as other verified sources to answer election related questions
	• Questionnaire that evaluates which parties you align with
2023	**TLDR – Lecture Summarizer (VIScon Hackathon)**
	• Extract videos from ETH video portal
	• Transcribe videos using Open AI Whisper
	• Generate summaries in 3 levels of comprehensiveness using GPT 3.5
	• Serve summaries in a searchable web UI with a focus on user experience
2022	**3 Node Kubernetes Cluster based on k3s**
	• 3 Node k3s cluster. Deployed on 3 LXC containers on Proxmox.
	• Metallb, Traefik, cert-manager
2022	**Portfolio Website built with HUGO (bruol.me)**

SKILLS & INTERESTS

Languages	German (native), English (fluent), French (DELF B1)
Technologies	**Advanced**: C, C++, Python, Java, C#, JavaScript, Git, Linux, Containerization (Docker, Kubernetes), Unity 3D, Google BigQuery
	Good: Ansible, Excel, Latex, X86 Assembly, Eigen, FPGA, Bash, Virtualization, CI/CD, PostgreSQL, Google Analytics, Firebase, RAG, GCP,
Skills	Communication, Teamwork, Analytical Thinking, Problem Solving Mindset
Interests	Biking, Sports, Cooking, Server (Home Lab), 3D-Printing, Home Automation