Lorin Urbantat

Computer Science Student at ETH Zurich

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EDUCATION

2020 - 2024	**ETH Zurich**, BSc Computer Science • Expected graduation June 2024 (Currently 5th Semester out of) • Parallel Programming (5.75), Numerical Methods (5.75), Analysis (5.5), Visual Computing (5.75)
2007 - 2020	**Waldorfschule Muehlheim an der Ruhr**, Abitur • Grade 1.3 (best - 1.0 , worst - 6.0)
2019	**Deutsche Schueler Akademie**, Summer Camp • Course on Topology (Theory and application with Python)

WORK EXPEIRIENCE

2023 – now	**Student Assistant at ETH Game Technology Center** • Work on the Morph Tales Game developed in Unity 3D
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 move-outs/ins and Communication between Students and WOKO
2018 - 2019	**Tutor, Waldorfschule Muehlheim an der Ruhr** • Tutorial classes (~ 25 participants) in Mathematics
2017	**Course-Instructor, Waldorfschule Mühlheim an der Ruhr** • Project-course (~ 12 students) in building a wireless Thermometer, based on Arduino
2017	**Intern, Department of Experimental Neurosurgery Charité** • Internship at Neurosurgery Lab at Charité

PROGRAMMING EXPERTISE

2021 - 2022	**Computer Science Concepts, Lectures at ETH Zurich** • Algorithms & Data Structures, Algorithms and Probability, Discrete Mathematics, Linear Algebra, Analysis I & II, Digital Design and Computer Architecture, Parallel Programming, Numerical Methods for Computer Science, Systems Programming and Computer Architecture, Theoretical Computer Science, Visual Computing
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** • Simple website built with static website generator hugo
2021	**Python ICS to CSV Exporter** • Script that takes an ics url/file and a time frame converts it into csv format.

SKILLS & INTERESTS

Languages	German (native), English (fluent), French (DELF B1)
Technologies	Advanced: C, C++, Python, Java, Git, Linux, Containerization (Docker, Kubernetes) Good: Ansible, Excel, Latex, X86 Assembly, Eigen, FPGA, Bash, KVM-Virtualization, Unity 3D
Interests	Server (Home Lab), Biking, Fitness, 3D-Printing, Home Automation, Arduino
Skills	Teamwork, Analytical thinking, Problem Solving, Organizational skills