Lorin Urbantat

ETH Zurich

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EDUCATION

2020 - 2024	**ETH Zurich**, BSc Computer Science • Expected graduation June 2024 • Parallel Programming, Grade 5.75 out of 6 • Analysis, Grade 5.5 out of 6 • Project in Digital Design (Implementing MIPS CPU on FPGA)
2007 - 2020	**Waldorfschule Muehlheim an der Ruhr**, Abitur • Grade 1.3 out of 1.0 (Germany)
2019	**Deutsche Schueler Akademie**, Summer Camp • Course on Topology • Learned Basics in Topology and applied concepts on python application that mapped satellite images on to the globe.

WORK EXPEIRIENCE

2021 - 2022	**House Representative, WOKO Studentische Wohngenossenschaft** • Move-in/out checks • Communication between Students and WOKO
2018 - 2019	**Tutor, Waldorfschule Muehlheim an der Ruhr** • Gave tutorial classes (~ 25 participants) in Mathematics
2017	**Course-instructor, Waldorfschule Muehlheim an der Ruhr** • Instructed a project-course (~ 12 students) in building a wireless mesh Thermometer that was based on Arduino and programmed in C++
2017	**Intern, Department of Experimental Neurosurgery Charité** • Internship at Neurosurgery Lab at Charité

PROGRAMMING EXPERTISE

2021 - 2022	**Computer Science Concepts, Lectures at ETH Zurich** • Passed: Algorithms & Data Structures, Algorithms and Probability, Discrete Mathematics, Linear Algebra, Analysis, Digital Design and Computer Architecture, Parallel Programming
2022	**3 Node Kubernetes Cluster based on k3s** • 3 Node k3s cluster. Deployed on 3 LXC containers on Proxmox. • metallb as load-balancer • Traefik as reverse proxy with cert-manager to handle ssl certificates
2022	**Portfolio Website built with HUGO** • Simple website built with static website generator hugo
2021	**ICS to CSV Exporter** • Python Script that takes an ics url and a time frame converts it into csv format.

SKILLS & INTERESTS

Languages	German (native), English (fluent), French (DELF B1)
Technologies	C, C++, Python, Java, Git, Linux, Docker, Kubernetes, Excel, Latex
Interests	Server (Home Lab), Biking, 3D-Printing, Home Automation, Arduino, Raspberry pi

WHAT PEOPLE I WORKED WITH SAY ABOUT ME

"Because of his personality, attitude and interest in research I would gladly welcome him back as an intern at any time" – translated from [Internship assessment]

Dr. Susan Brandenburg