

Lorin Urbantat

Computer Science Student at ETH Zurich

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EDUCATION

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| 2020 - 2024 | ETH Zurich , BSc Computer Science <ul style="list-style-type: none">Expected graduation June 2024Parallel Programming (5.75 / 6), Numerical Methods (5.75 / 6), Analysis (5.5 / 6), Visual Computing (5.75 / 6) |
| 2007 - 2020 | Waldorfschule Muehlheim an der Ruhr , Abitur <ul style="list-style-type: none">Grade 1.3 / 1.0 (Germany) |
| 2019 | Deutsche Schueler Akademie , Summer Camp <ul style="list-style-type: none">Course on Topology (Theory and application with Python) |

WORK EXPERIENCE

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| 2023 - 2023 | Analysis 1 Teaching Assistant, ETH Zurich <ul style="list-style-type: none">Host Exercise Classes with 15 - 30 StudentsCorrect Exercise Sheets and give Feedback |
| 2021 - 2022 | House Representative, WOKO Studentische Wohngenossenschaft <ul style="list-style-type: none">Move-in/out checksCommunication between Students and WOKO |
| 2018 - 2019 | Tutor, Waldorfschule Muehlheim an der Ruhr <ul style="list-style-type: none">Gave tutorial classes (~ 25 participants) in Mathematics |
| 2017 | Course-instructor, Waldorfschule Muehlheim an der Ruhr <ul style="list-style-type: none">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 <ul style="list-style-type: none">Internship at Neurosurgery Lab at Charité |

PROGRAMMING EXPERTISE

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| 2021 - 2022 | Computer Science Concepts, Lectures at ETH Zurich <ul style="list-style-type: none">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 <ul style="list-style-type: none">3 Node k3s cluster. Deployed on 3 LXC containers on Proxmox.metallb as load-balancer, Traefik as reverse proxy, cert-manager for certificates |
| 2022 | Portfolio Website built with HUGO <ul style="list-style-type: none">Simple website built with static website generator hugo |
| 2021 | ICS to CSV Exporter <ul style="list-style-type: none">Python Script that takes an ics url and a time frame converts it into csv format. |

SKILLS & INTERESTS

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| Languages | German (native), English (fluent), French (DELFI B1) |
| Technologies | C, C++, Python, Java, Git, Linux, Containerization (Docker, Kubernetes, LXD), Excel, Latex, X86 Assembly, Eigen, FPGA, Bash, Visualization (KVM) |
| Interests | Server (Home Lab), Biking, Fitness, 3D-Printing, Home Automation, Arduino, Raspberry pi |
| Skills | Teamwork, Analytical thinking, Problem Solving, Organizational skills |