

# Lorin Urbantat

Computer Science Student at ETH Zurich

[contact@bruol.smail.me](mailto:contact@bruol.smail.me) | [LinkedIn](#) | [github](#) | [bruol.me](#)

## EDUCATION

---

- |             |   |
|-------------|---|
| 2020 - 2024 | <b>ETH Zurich</b> , BSc Computer Science <ul style="list-style-type: none"><li>Expected graduation June 2024 (Currently completing 4th Semester)</li><li>Parallel Programming (5.75), Numerical Methods (5.75), Analysis (5.5), Visual Computing (5.75)</li></ul> |
| 2007 - 2020 | <b>Waldorfschule Muehlheim an der Ruhr</b> , Abitur <ul style="list-style-type: none"><li>Grade 1.3 (best - 1.0 , worst - 6.0)</li></ul>  |
| 2019        | <b>Deutsche Schueler Akademie</b> , Summer Camp <ul style="list-style-type: none"><li>Course on Topology (Theory and application with Python)</li></ul>   |

## WORK EXPERIENCE

---

- |             |   |
|-------------|---|
| 2023 - 2023 | <b>Analysis 1 Exam-Preparation Course</b> <ul style="list-style-type: none"><li>Teaching Exam preparation Course with approximately 20 Participants</li></ul>   |
| 2023 - 2023 | <b>Analysis 1 Teaching Assistant, ETH Zurich</b> <ul style="list-style-type: none"><li>Host Exercise Classes with 15 - 30 Students</li><li>Correct Exercise Sheets and give Feedback</li></ul>                            |
| 2021 - 2022 | <b>House Representative, WOKO Studentische Wohngenossenschaft</b> <ul style="list-style-type: none"><li>Organisation of move move-outs/ins</li><li>Communication between Students and WOKO</li></ul>                      |
| 2018 - 2019 | <b>Tutor, Waldorfschule Muehlheim an der Ruhr</b> <ul style="list-style-type: none"><li>Tutorial classes (~ 25 participants) in Mathematics</li></ul>   |
| 2017        | <b>Course-instructor, Waldorfschule Muehlheim an der Ruhr</b> <ul style="list-style-type: none"><li>Project-course (~ 12 students) in building a wireless mesh Thermometer, based on Arduino, programmed in C++</li></ul> |
| 2017        | <b>Intern, Department of Experimental Neurosurgery Charité</b> <ul style="list-style-type: none"><li>Internship at Neurosurgery Lab at Charité</li></ul>  |

## PROGRAMMING EXPERTISE

---

- |             |   |
|-------------|---|
| 2021 - 2022 | <b>Computer Science Concepts, Lectures at ETH Zurich</b> <ul style="list-style-type: none"><li>Algorithms &amp; Data Structures, Algorithms and Probability, Discrete Mathematics, Linear Algebra, Analysis I &amp; II, Digital Design and Computer Architecture, Parallel Programming, Numerical Methods for Computer Science, Systems Programming and Computer Architecture, Theoretical Computer Science, Visual Computing</li></ul> |
| 2022        | <b>3 Node Kubernetes Cluster based on k3s</b> <ul style="list-style-type: none"><li>3 Node k3s cluster. Deployed on 3 LXC containers on Proxmox.</li><li>metallb, Traefik, cert-manager</li></ul>   |
| 2022        | <b>Portfolio Website built with HUGO</b> <ul style="list-style-type: none"><li>Simple website built with static website generator hugo</li></ul>  |
| 2021        | <b>Python ICS to CSV Exporter</b> <ul style="list-style-type: none"><li>Script that takes an ics url/file and a time frame converts it into csv format.</li></ul>   |

## SKILLS & INTERESTS

---

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