

Lorin Urbantat

Computer Science Student at ETH Zurich & Software Engineer @ ETH-GTC

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Education

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| 2025 – present | ETH Zurich, MSc Computer Science <ul style="list-style-type: none">- Major: Data Management Systems |
| 2020 - 2024 | ETH Zurich, BSc Computer Science <ul style="list-style-type: none">- Graduated August 2024 with 5.04 GPA- Parallel Programming (5.75), Numerical Methods (5.75), Analysis (5.5), Visual Computing (5.75), Angewandte Computer Architektur (6) |
| 2007 - 2020 | Waldorfschule Mülheim an der Ruhr, Abitur <ul style="list-style-type: none">- Grade 1.3 (best - 1.0, worst - 6.0) |
| 2019 | Deutsche Schüler Akademie, Summer School for gifted Students |

WORK EXPERIENCE

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| 2023 - now | Software Engineer @ ETH Game Technology Center <ul style="list-style-type: none">- <u>Morph Tales Game</u> developed in Unity 3D- Implement Analytics pipeline (Firebase, BigQuery, Looker Studio)- Implement GenAI in game characters |
| 2025 - now | Coach @ mint & pepper <ul style="list-style-type: none">- Introduce children and young people to AI |
| 2023 - 2023 | Calculus Exam-Preparation Course <ul style="list-style-type: none">- Exam preparation course with approximately 20 participants |
| 2023 - 2023 | Calculus Teaching Assistant, ETH Zurich <ul style="list-style-type: none">- Host Exercise Classes with 15 - 30 Students |
| 2021 - 2022 | House Representative, WOKO <ul style="list-style-type: none">- Organization of move-outs/ins and Communication between Students and WOKO |
| 2017 - 2019 | Tutor, Waldorfschule Mülheim an der Ruhr <ul style="list-style-type: none">- Tutorial classes (10 - 25 participants) in Math and Computer Science |
| 2017 | Intern, Department of Experimental Neurosurgery Charité <ul style="list-style-type: none">- Internship at Neurosurgery Lab at Charité |

PERSONAL PROJECTS & RELEVANT EXPERIENCE

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|-------------|---|
| 2024 - 2025 | <u>Flateroo</u> – flat sharing platform <ul style="list-style-type: none">- react-native application with real-time chat, video streaming infrastructure- node backend with video transcoding, PostgreSQL, fly.io |
| 2024 | <u>electomate</u> – AI Powered Voting Advice application for elections <ul style="list-style-type: none">- RAG tool that answers questions about parties and policies |
| 2024 | <u>SCION Control Plane Algorithms Test Environment</u> <ul style="list-style-type: none">- network emulator and traffic generator |
| 2023 | <u>TLDR</u> – Lecture Summarizer (VIScon Hackathon) <ul style="list-style-type: none">- lecture summarizer using (OpenAI Whisper and API) to create searchable lecture summaries from videos |
| 2022 | <u>3 Node Kubernetes Cluster</u> <ul style="list-style-type: none">- 3 Node k3s cluster. Deployed on 3 LXC containers on Proxmox- metallb, Traefik, cert-manager |
| 2022 | <u>bruol.me</u> – portfolio website <ul style="list-style-type: none">- simple website built with static website generator hugo (https://bruol.me/) |

SKILLS & INTERESTS

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| Languages | German (native), English (fluent), French (DELFI B1) |
| Technologies | Advanced: C, C++, Typescript, React, Python, Java, Git, Linux, Containerization (Docker, Kubernetes), Unity 3D, React-Native, Node, SQL, Retrieval Augmented Generation, AI, PCA
Good: Ansible, Latex, X86 Assembly, Eigen, FPGA, Bash, Virtualization, BigQuery, Firebase, Google Looker Studio, Jenkins |
| Skills | Communication, Time Management, Analytical Thinking, Problem Solving |
| Interests | Biking, Sports, Cooking, Dancing, Singing |