ALAIN TISSIER

CSE Student @ ETH Zurich

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📍 Zürich, Switzerland

SUMMARY

Motivated ETH Zurich student in Computational Science (specialising in Robotics). Combines hands-on experience in sales, marketing, and SEO with strong analytical and technical skills. Curious and adaptable, aiming to bridge data-driven engineering with financial innovation.

EXPERIENCE

RL Software Engineer
ETH Robotics Club

📅 September 2025 – present　　　　　　　📍 Zurich, Switzerland

- Implemented and trained reinforcement learning policies for robotic control tasks, focusing on stable learning and sim-to-real robustness.
- Designed training pipelines for policy optimization, including environment setup, reward shaping, and evaluation.

Fundraiser
Wesser und Partner

📅 May 2023 – Aug 2023　　　　　　　　📍 Zurich, Switzerland

- Generated CHF 28,000+ in recurring donations through 500+ face-to-face donor interactions, consistently exceeding fundraising targets.
- Awarded the *Wesser University Certificate* for top fundraising performance.
- Developed persuasive communication skills and resilience in high-pressure, target-oriented work.

PROJECTS

GPU-accelerated LP solver (group project ⬡ GitHub)
ETH Zurich

📅 Sep 2025 – Jan 2026　　　　　　　　📍 Zurich, Switzerland

- Developed a CUDA-based revised simplex solver and evaluated GPU acceleration trade-offs on real-world sparse linear programs. Linear programming solvers are fundamental to optimization in logistics, energy, and finance.

EDUCATION

BSc Computational Science (Specialization: Robotics)
ETH Zürich

📅 2023 – 2026　　　　　　　　　　　📍 Zurich, Switzerland

Cambridge C2 Proficiency
EF International Language Campuses

📅 2022 – 2023　　　　　　　　　　　📍 Noosa, Australia

Matura, Applied Mathematics & Physics
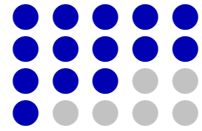**Gymnasium Bäumlihof**

📅 2018 – 2022　　　　　　　　　　　📍 Basel, Switzerland

SKILLS

C++ | Python | CUDA | openMP | High Performance Computing | Assembly x86 | Probabilistic Modelling | Numerical Methods | Probabilistic Artificial Intelligence | Machine Learning | Deep Learning | Data Analysis | TensorFlow | NVIDIA Isaac Sim™ | NVIDIA Isaac Lab | PyTorch | NumPy | SciPy | Pandas

LANGUAGES

German
English
French
Spanish

CERTIFICATIONS

Cambridge Certificate of Proficiency in English
Digital Marketing Certificate