# FRANKLIN TRANIE

Lausanne, Switzerland

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## EDUCATION

**EPFL SCHOOL OF COMPUTER AND COMMUNICATION SCIENCES**  Lausanne, Switzerland
*Candidate for Bachelor of Computer and Communication Sciences, June 2025*  2022 - Present
- Coursework: Programming, Discrete Mathematics, Calculus, Algebra, Algorithmic
- [Javions (Flight tracker)](#): Created a java app to decode live airplanes (ADS-B) radio messages over our library (Grade: 5.25/6)
- [ICRogue](#): Developed a videogame (Rogue-Like 2D) using Swing programming with random map generation (Grade: 6/6)

**SAINT-LOUIS DE GONZAGUE HIGH SCHOOL**  Paris, France
*Specialized in Mathematics and Physics, Grade: 17.3/20*  2018 - 2022
- Leadership: Class Sustainability Co-President
- Awards: France National Mathematics Competition (top 70 in 2021, top 100 in 2019)

## TECHNICAL SKILLS

- Python (Pandas, Numpy, Scipy, Selenium for web scraping (data-science tech stack)), Java (Java FX, JUnit)
- Git, Unix systems (Linux / MacOS), Bash, Docker, Cloudflare, Networking

## EXPERIENCE & EXTRACURRICULAR PROJECTS

**EPFL SPACECRAFT TEAM**  Lausanne, Switzerland
*Telecom task leader on Link Budget for a Cubesat*  2023 – 2024 (6 months)
- Performed a link budget analysis to ensure proper communication between the ground control and the cubesat
- Wrote a full documentation for the protocols to be implemented for the telecommunication.

**SELF-EMPLOYED**  Normandie, France
*Design and implementation of a comprehensive network solution for a large residential property (10,000 sqft)*  2023 - Present
- Designed and implemented a comprehensive 10,000 sqft network solution, including a robust internet system with failover ADSL, and ethernet cable optimization.
- Spearheaded the integration of security infrastructure, including cameras and customized NVR, and established a secure local VPN for efficient remote access and monitoring.

**MATHEMATICS TEACHER VOLUNTEER**  Paris, France
*Mathematics and physics teacher for a paraplegic student for a year and a half*  2021 – 2022
- Weekly two hours lesson with the student to try and help her get back on track in these classes she had abandoned.

**UPLACRAFT VIDEO GAMES**  Paris, France & Discord
*Founder and CEO*  2017 - 2022
- **Team Building and Leadership**: Assembled and led a multifaceted team comprised of developers, game designers, graphic artists, and moderators, collaborating on the creation of a modded Minecraft server.
- **Management and Collaboration Skills**: Cultivated expertise in teamwork, people management, API specifications, and technical documentation, ensuring smooth project execution and delivery.
- **Technical Proficiency**: Enhanced proficiency in Java development, system administration, Python automation, and leveraging frameworks such as Pterodactyl, Electron, Azuriom (made by an EPFL student). Expertly designed scalable infrastructure utilizing Kubernetes.

## ADDITIONAL INFORMATION

- Languages: French (native), English (advanced), Spanish (intermediate)
- Sports: Tennis - played in competitive team, Ski – participated in the ESF French championship, Running – Ran the Paris schneider marathon in April 2023 and the NYC marathon in November 2023, Swimming – 8km between the island of Salina and Lipari in august 2022

Interests: Computer Engineering and Software Development (Underwent a python training program at a London university during this period), Digital photography - DSLR and Drone, Chess - in a club younger and now online