



# PAUL LUNDBERG

Hadlaubstrasse 128, 8006 Zürich 

+41 78 667 33 00 

Paul.lundberg11@gmail.com 

linkedin.com/in/paul-lundberg-504107210 

github.com/paul-linked 



## OBJECTIVE

I am a highly motivated and organized individual with a strong passion for technology and a solid foundation in computer science. With my technical skills and determination to succeed, I am confident that I can make a valuable contribution to the field of technology. I am eager to learn and grow as a student, and I am committed to working hard and using my skills to make a positive impact. I am excited to be a part of a community of like-minded individuals and contribute to the growth and success of the company or organization I work for.



## EDUCATION

### High School | ZIS

16/08/2020 – 03/06/2023

My current weighted GPA is an impressive 4.22 (unweighted 3.39), and with that have gotten the Honor-roll award in 2023. I have also been awarded the highly coveted AP Scholar with Distinction award from College Board in 2022 and the ZIS Mission Award in 2021. In addition, I am highly involved in my school community, especially in our Makerspace, where I have helped to set up and fix 3D printers and given a workshop to the design tech teachers and the STEM coordinator about SLA printing. Furthermore, I am the teaching assistant this year (2022) for the AP Computer Science A class, and I am responsible for helping with the teaching platform and providing tutoring. I am also a member of our school's robotics team and science club.

### School | Inter-Community School Zurich

15/08/2011 – 15/06/2020

I was actively involved in MUN and attended numerous conferences around the world. Furthermore, I was a dedicated member of the math club and team, where I was able to showcase my Mathematical abilities.



## EXPERIENCE

### Systems Integration Intern | Sesam

19/12/2022 – 06/01/2023

Responsibilities:

- Design and implement automation for data workflows across various products such as Softr and Airtable
- Assist with the creation of dashboards and reports to provide insights and visibility
- Automate tasks and calculations using JavaScript
- Utilize advanced data analytics tools to monitor and optimize data workflows
- Develop and maintain documentation for data workflows and automation processes
- Troubleshoot and debug issues as they arise



## SKILLS

- English and German (with Goethe C2 Diploma)
- Proficiency in programming languages, such as C++, Java, Python, and JavaScript
- Experienced with software development tools, such as Git
- Experience with 3D printing technologies and processes
- Participation in robotics competitions that involved the design and construction of robots, such as Vex Robotics
- Experience with Linux kernel development and customization
- Experience with system administration tasks, such as setting up and configuring Linux servers
- Participation in hackathons, and other programming competitions, such as SOI (with Diploma for Swiss Olympiad in informatics)
- Experience with robotics platforms and technologies, such as Arduino, Raspberry Pi, and ROS (Robot Operating System)
- Experience with 3D modeling design software such as Fusion 360
- Experience with AI technologies and frameworks, such as TensorFlow, and PyTorch
- Experience implementing AI models using languages such as python and C++



## ACTIVITIES

- I developed an emotion-recognizing robot designed to provide therapeutic support for troubled children. Using a pretrained facial recognition and emotion detection model, the robot is able to detect and respond to the emotional state of the user. The model was compressed into a TensorFlow Lite format to run on a Raspberry Pi, which powered the robot's movement using a belt system and enabled the use of a LED matrix as a facial display and movable arms. The robot also featured pre-recorded audio tracks to facilitate communication with the user. The ultimate goal of this project was to use the robot in clinical settings to help young children cope with their emotions.
- I am an avid maker and enjoy using electronics and 3D printing in my art projects. I enjoy using lights and sensors to create interactive installations. In my free time, I enjoy exploring new technologies and finding creative ways to incorporate them into my artwork.
- I provide one-on-one tutoring to high school students in math and science subjects, helping them improve their understanding and grades. Developed personalized lesson plans based on each student's needs and learning style, and used a variety of teaching techniques to facilitate understanding. I communicated effectively with students to set goals, track progress, and address any concerns. Demonstrated strong time management skills by effectively balancing tutoring sessions with my own academic commitments. Through my tutoring experience, I gained valuable skills in communication, problem-solving, and time management
- I participated in the Swiss Olympiad for Informatics, a competitive programming competition used for qualification for the International Olympiad in Informatics (IOI). Through diligent preparation and strong problem-solving skills, I was able to achieve exceptional results, earning a top ranking among all participants. My success in this prestigious event demonstrated my aptitude for computer science and solidified my passion for the field.