

JOE KHAWAND

Mobile : +33661055128 | joe.khawand@polytechnique.edu | www.linkedin.com/in/joe-khawand-43baa61b8

About

Student at Ecole Polytechnique passionate about robotics and software engineering.

Languages

- Arabic (Native Proficiency)
- French (Bilingual Proficiency)
- English (Bilingual Proficiency)
- German (A1/A2)

Hobbies & Activities

- Guitar, Bass, Piano, Harmonica
- Climbing
- Member of the Lebanese Scouting Association
- Member of Ecole Polytechnique's music production Club
- Member of Ecole Polytechnique's Broadway Club
- Member of Ecole Polytechnique International Club.

Skills

- Computer Science
- Machine & Deep Learning
- Mathematics
- Quantum Physics
- Agile Frameworks
- Assembly x86, Python, Java, C#, HTML, CSS, OCaml, ROS, Git, Linux, C++, C, Docker, Gitlab, Bash, Pytorch, sklearn
- Leadership
- Communication & Teamwork

Education

« Ingénieur Polytechnicien » Degree, Engineering

Ecole Polytechnique, Palaiseau France (2020~2024)

- Major: Intelligent Autonomous Systems.
- Main Courses: Computer Science, Machine & Deep Learning, Applied Mathematics

Classes Préparatoires, Engineering

École Supérieure d'Ingénieurs de Beyrouth, Lebanon (2018~2020)

- A two-year intensive science curriculum in preparation to the entrance exams of the greatest French Engineering Universities.
- Ranked 6th in the faculty with an average of 15.2/20
- Awarded the Excellence Scholarship.

Lebanese and French baccalaureate in General Science

Collège de la Sainte Famille Française – Beyrouth, Lebanon (2003~2018)

- Graduated with an average of 17.65/20
- Ranked 2nd in the establishment.
- SAT scores: 1400/1600
- High member of the Student Committee.

Experience

Robotics Quality Assurance Engineer, Internship

IFollow, Paris (Jun. 2022 – Aug. 2022)

Created and implemented multiple testing protocols in the production line, helping the company better assess the state of their machines throughout production.

Adjunct Physics Instructor, Internship

Saint Joseph University, Lebanon (Oct. 2020 – Jan. 2021)

Provided the students with day-to-day consolidation courses and counseling preparing them for Ecole Polytechnique's entrance exam.

Projects

French Robotics Cup - (Sept. 2021 – May. 2022)

Competed with Ecole Polytechnique's robotics team in the French Robotics Cup.

F1-tenth Robotics project - (Dec. 2021 – Feb. 2022)

Coded and implemented algorithms for autonomous racing.

Game Dev using OpenGL and C++ - (March. 2022 – May. 2022)

Developed a basic game without a game engine.
<https://github.com/Joe-Khawand/On-the-clock>