ETHAN KOSKAS

+33 7.69.87.37.86 ⋄ ekoskas@student.ethz.ch
Engadinerweg 12, 8049 Zürich, Switzerland

EDUCATION

ETHZ 2022 -2024
Master of Science in Physics - Master degree *Zurich, Switzerland*

École Polytechnique 2019-2022
"Cycle Ingénieur Polytechnicien" - Engineering degree *Paris, France*
Major in Quantum Mechanics - GPA 3.87/4

Lycée Marcelin Berthelot 2014-2019
CPGE - MP, a highly selective two-year program, Ranked 1st out of 70 *Paris, France*
Baccalaureate in Science, majored in Mathematics, Honours

ACADEMIC AND PROFESSIONAL EXPERIENCE

ETHZ Quantum Optoelectronics Group October 2023 - July 2024
Master Thesis: Engineering optical disorder for magnetotransport in cavity vacuum field *Zürich,Switzerland*

ETHZ Trapped Ion Quantum Information Group January-July 2023
Semester Project: Bayesian Calibration for State Dependent Forces *Zürich,Switzerland*

MIT Photonics and Modern Electromagnetics Group April-August 2022
Graduate Intern in quantum optics *Cambridge,USA*

Thales-CNRS Mixt Physic Unity (III V Lab) September 2021 - March 2022
Research Project in Spintronic supervised by Dr. Henri Jaffrès *Paris, France*

Lycée Marcelin Berthelot September 2021 - July 2022
Oral Examiner in Physics for CPGE students *Paris, France*

C2N Laboratory September 2020 - June 2021
Team Research Project in Photonics supervised by Prof. Dr. Jacqueline Bloch *Paris, France*

La Main à La Pâte : French charitable association October 2019 - April 2020
Full time scientific trainer *Gardanne, France*

PUBLICATIONS

Charles Roques-Carmes et al. ,Biasing the quantum vacuum to control macroscopic probability distributions 2023
Science381,205-209, DOI:10.1126/science.adh4920

LANGUAGE AND IT SKILLS

French: native; **English:** fluent; **Spanish:** conversational
IT Skills: Microsoft Office; Python; Julia; Java; CAML; Lumerical; CST

INTERESTS

Sports: Member of the fencing team at Ecole Polytechnique; Brown belt in Karate .
Reading: Fond of fantasy and science-fiction books