

ALAN ZENAGUI

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EDUCATION

Stanford University

Master of science in Civil and Environmental Engineering

2022 – 2023 (expected)

Stanford, United States

- Major in Atmosphere/Energy
- Course work includes: Understanding Energy, Fluid Mechanics, Environmental Economics, Climate Law and Policy

Ecole Polytechnique

Master of sciences

2019 – 2022

Palaiseau, France

- France's leading school of science and engineering
- Major in Energy
- Course work includes: Advanced Quantum Physics, Continuum Mechanics, Nuclear Reactors, Physics and Engineering of Photovoltaic Devices

Bachelor's Degree in Philosophy

Paris Nanterre University

2020 – 2021

Nanterre, France

- Course work includes : metaphysics, philosophy of science, of gender, of the environment, medieval philosophy
- Carried out in parallel with my studies at Ecole Polytechnique

Intensive training course (CPGE)

Lycée Carnot

2016 – 2019

Dijon, France

- A selective program in science to prepare for nationwide competitive exams
- Electives: Physics and Chemistry

Scientific High School Diploma

Lycée Saint-Etienne

2016

Sens, France

- Mentions: With High Honours

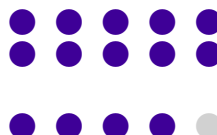
LANGUAGES

French

English

- TOEFL : 111/120

Spanish



INTERESTS AND ACTIVITIES

Collaborating on the project "Genius in physics"

E-learning programme led by Ecole Polytechnique

07.2020 – 12.2021

- Objective: to interest in physics high school students from all backgrounds
- Chose themes and experiments
- Prepared videos (script, shooting, editing) in a two-person team

WORK EXPERIENCE AND ACADEMIC PROJECTS

UC Berkeley

Research Intern in the SALT (Reactor Safety & Inorganic Chemistry of Light Elements at High Temperature) Group

04.2022 – 08.2022 Berkeley, United States

- Studying the uptake and desorption mechanisms for hydrogen isotopes in graphite by means of thermo-electrochemical desorption (TEDS)
- Design and engineering of the TEDS setup, experimental runs, and data analysis of the results
- Application of the research: removing tritium produced in Molten Salt Reactors (MSRs), a major safety issue

McKinsey & Company

Business Analyst Intern

06.2021 – 08.2021 Paris, France

- Strategy consulting internship
- Projects including the due-diligence of an electronic component supplier and the strategy definition of a major supplier of automotive equipment
- Financial modelling, data analytics, team and client relationship building

French Embassy in the Republic of Djibouti

Military Training Course

11.2019 – 03.2020 Djibouti

- Worked on the geopolitics of the region (diplomatic notes; national and international press reviews for Mr. Ambassador)
- Communications manager on social media and on the Internet

Creating a reusable rocket

Collective scientific project

06.2020 – 06.2021

- Objective : to make the rocket take off, maneuver and land autonomously
- In charge of aerodynamics and experiments in a five-person team
- Selected at the 72th edition of the International Astronautical Congress (IAC)