

DÁMASO ANDRÉS DUBAIL FERNÁNDEZ

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LinkedIn

Education

École Polytechnique Fédérale de Lausanne, EPFL

Sep 2022 – Sept 2025

Bachelor of Sciences in Life Sciences Engineering — GPA: 5.47/6.0

Eidgenössische Technische Hochschule Zürich, ETHZ

Sep 2024 – Sept 2025

Exchange Bachelor Student in Health Sciences and Technology Section — GPA: 5.48/6.0

Distinctions and Scholarships

Summer in the Lab Scholar

Sep 2024

Participated in the Summer in the Lab Internship Program organized by the EPFL Student Support Program which focuses on fostering students' personal and professional development.

Outstanding Cambridge Learner Award

Jun 2019

Awarded by Cambridge Education for achieving the highest GPA in the Biology IGCSE exam in Colombia.

Experience

Summer Intern — Laboratory of Brain Development and Biological Data Science

Jul 2024 – Aug 2024

EPFL Brain Mind Institute, Lausanne, Vaud, Switzerland

Carried out anatomical annotations of mouse embryo sections through spatial transcriptomics to contribute to the development of a comprehensive mouse brain atlas. Analyzed the resulting data to design and implement coding programs based on the annotations.

Student Assistant — École Polytechnique Fédérale de Lausanne

Sep 2023 – Present

Lausanne, Vaud, Switzerland

- Sep 2025 – Present: Assists first-year engineering students in the course of General Physics.

- Sep 2025 – Present: Assists first-year engineering students in the course of Linear Algebra.

- Feb 2024 – May 2024: Assisted first-year geoscience students in the course of General Physics.

- Sep 2023 – Jan 2024: Assisted first-year engineering students in the course of General Physics.

Extracurricular projects

Team member — BioSense EPFL SenseUs competition team

September 2025 – Present

EPFL; Lausanne, Vaud, Switzerland

Currently participating in a student MAKE project to design, conceive and engineer an innovative biosensor for the continuous sensing of L-DOPA for Parkinson's disease.

Skills

Languages

Spanish (native), English (working proficiency), French (working proficiency).

Programming Skills

Python, C++, Git.

Laboratory Skills

DNA cloning, RNA isolation, PCR, restriction digestion, protein purification, E. coli transformation, sterile techniques, quality control, scientific writing, and data analysis.