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# DÁMASO ANDRÉS DUBAIL FERNÁNDEZ

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🌐 LinkedIn

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## Education

### École Polytechnique Fédérale de Lausanne, EPFL

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

*Sep 2022 – Sept 2025*

### Eidgenössische Technische Hochschule Zürich, ETHZ

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

*Sep 2024 – Sept 2025*

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## Distinctions and Scholarships

### Summer in the Lab Scholar

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.

*Sep 2024*

### Outstanding Cambridge Learner Award

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

*Jun 2019*

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## Experience

### Summer Intern — Laboratory of Brain Development and Biological Data Science

EPFL Brain Mind Institute, Lausanne, Vaud, Switzerland

*Jul 2024 – Aug 2024*

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

Lausanne, Vaud, Switzerland

*Sep 2023 – Present*

- *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.

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## Extracurricular projects

### Team member — BioSense EPFL *SenseUs* competition team

EPFL; Lausanne, Vaud, Switzerland

*September 2025 – Present*

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.

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## 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.