

Dámaso Dubail

Curriculum vitae

Lausanne, Switzerland

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 Github

 LinkedIn

Education

- Sep 2022 – Sep 2025 **Bachelor of Science in Life Sciences Engineering**
École Polytechnique Fédérale de Lausanne (EPFL) | GPA: 5.47/6.0
Exchange Year: Eidgenössische Technische Hochschule Zürich (ETHZ), 2024–2025 | GPA: 5.48/6.0
- Jul 2021 – Feb 2022 **Swiss Federal Matura**
Self-directed preparation | GPA: 5.26/6.0
- Aug 2016 – Jul 2020 **Colombian High School Diploma**
ASPAEN Gimnasio Cartagena | GPA: 405/500 | Cambridge IGCSE with Merit

Experience

- Sep 2023 – Present **Student Assistant** | *École Polytechnique Fédérale de Lausanne (Lausanne)*
Supported engineering students during exercise sessions and exam preparation in a variety of courses such as General Physics and Linear Algebra.
- Jul 2024 – Aug 2024 **Summer Intern** | *Laboratory of Brain Development and Biological Data Science, EPFL Brain Mind Institute (Lausanne)*
Performed anatomical annotations of mouse embryo brain sections using spatial transcriptomics, analyzed resulting data and implemented code to leverage the annotations for downstream processing and analysis workflows.

Projects

- Sep 2025 – Present **Student Engineer** | *BioSense EPFL - SenseUs competition team (EPFL, Lausanne)*
Currently participating in a student MAKE project to design and engineer an innovative biosensor for continuous sensing of L-DOPA in Parkinson's disease.

Distinctions and Scholarships

- Sep 2024 **Summer in the Lab Scholar**
Selected for the EPFL Student Support Program internship, focusing on personal and professional development.
- Jun 2019 **Outstanding Cambridge Learner Award**
Awarded by Cambridge Education for achieving the highest score in the Biology IGCSE exam in Colombia.

Skills

- Languages Spanish (native), English (working proficiency), French (working proficiency).
- Programming Python (Numpy, Pandas, Scipy, Sklearn), C++, Git.
- Laboratory DNA cloning, RNA isolation, PCR, restriction digestion, protein purification, *E. coli* transformation, sterile techniques, quality control, scientific writing, data analysis.