

Enrique GALVEZ

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Born on May, 19, 2002 | Nationality: French

Work Experience

- **LIP6**, PHD in HPC/AI in the ALSOC team (Systems-on-Chips) **February - July 2024**
Subject: Modeling and optimization of execution frameworks for deep neural networks on heterogeneous architectures: memory management, energy efficiency, and parallelism.
- **SNCF Réseau & SATIE**, Research Intern for 6 months **February - July 2025**
Subject: Real-time railway default detection using transformers on embedded GPUs
- **INRIA Bordeaux**, Research Intern for 5 months **September 2024 - January 2025**
Subject: Efficient scheduling of Transformers with StarPU
- **LIP6**, Research Intern for 5 months in the ALSOC team (Systems-on-Chips) **February - July 2024**
Subject: Optimization of deep learning convolutions for inference on SoCs
- **Barcelona Supercomputing Center**, Research Intern for 3 months **May - July 2023**
In the SONAR team (Software research vehicles for New ARchitectures)
Subject: Vectorization of deep learning kernels
- **LIP6**, Research Intern for 6 weeks in the ALSOC team **June 2022**
Subject: Optimization of the parallel execution of an image processing application

Education & Diplomas

- **Sorbonne University**, EDITE doctoral school **2025 - 2028**
– **PHD in Computer Science**, funded by ENS Lyon **(expected: 2028)**
- **École Normale Supérieure de Lyon**, Computer Science Department **2021 - 2025**
– **ENS De Lyon diploma** with major in Computer Science **2025**
– **Master's degree** in Computer Science with highest honors (16,42/20) **2024**
– **Bachelor's degree** in Computer Science with high honors (15,63/20) **2022**
- **Lycée du Parc, Lyon**, Preparatory class: MPSI, MP* **2019 - 2021**
- **High School Diploma**, Scientific section, Mathematics specialty, European section (in-depth english classes), with highest honors and with jury's congratulations (19/20) **2019**

Competitions

- **SWERC** (International programming contest): team ranked 45/120 **2023**
- **Le Shaker** (National programming contest): ranked 49 over +1000 participants **2022**
- **Olympiades académiques de mathématiques**: copy noted for the quality of its content **2018**
- "Faites de la science" Competition: 2nd regional prize **2017**

Skills

Programming	Very good mastery of C, C++, Java, Python, OCaml, bash, L ^A T _E X Good mastery of many others: assembly, haskell, html/CSS, JavaScript, SQL, CUDA...
Computer Science	Machine learning (theory, PyTorch, Tensorflow...), algorithmic complexity, compilation, high performance computing, computer architecture, distributed/parallel computing
C1 level in English	Certified by Cambridge's C1 advanced certification
Good level in Spanish	Estimated C1 level
Hobbies	Karate Shotokan black belt, Competitive practice of sailing