

SEBASTIEN LABBE

Computer Science Researcher



SebastienLabbe1

+33 7 ** * * * *

sebastien labbe protonmail com

EXPERIENCE

- 05.2024
11.2024 **LIRIS - INSA Lyon** Computer Science Research
Riccardo Tommassini • Samuele Langhi • Mauro Famà • Angela Bonifati • AMW 2024 link
Algebraic formalism for efficient when-provenance computation and updates for streams
- 07.2023
04.2024 **Sailing Gap Year** Moulin Blanc - Brest / Port RHU - Douarnenez
Boat repair, navigation, electrical installation
- 02.2023
06.2023 **Università degli studi di Trento** Computer Science Research
Andrea Del Prete
New Integral based high dimension function optimization
- 07.2021
06.2022 **Musical Gap Year** Paris
Piano, Trumpet, Trombone, improvisation and composition
- 06.2021
08.2021 **Grenoble INP Gipsa Lab** Computer Science Research
Houzet Dominique • Loic Arbez
Machine Learning prediction of torque using accelerometer and a gyroscope data.
- 06.2020
08.2020 **CRIL - Université d'Artois / CNRS** Computer Science Research
Antoine Amarilli • Stefan Mengel • ICDT 2024 link
Skyline Operators for Document Spanner Algebra and Complexity Implications.
- 10.2019
04.2020 **Technological University of Munich** Computer Science Research
Matthias Althoff • Constantin Dresel • George Mesesan • *Bachelor Thesis*
Implementation and testing of Hierarchical path planner for multi dimensional robot.

EDUCATION

- 2020
Present **ENS Paris - PSL** Master - Computer Science
Computer architecture • compilation • operating systems • lambda calculus • data bases • complexity • quantum computing • cryptography • team of 10 project leader • and more.
- 2017
2020 **Ecole Polytechnique - Paris** Bachelor - Math. and Comp. Sci.
Linear algebra • analysis • logic • complexity theory • computer architecture • coding • algorithms • machine learning • optimization • and more

OTHER EXPERIENCES

- 2017
Present **Extensive Hackathon Participation**
Google Hash Code (x3) • Light is Digital Renault • Great Uni Hack Manchester University • Technological University of Munich Hackaton • Solidarity Hackaton Polytechnique (2nd) • Cryptographic Competition by DGSE • VivaTech Hackaton • Prologin Programming Competition (12th).
- 2018
Present **Non Profit Organisations**
Student Union of ENS Ulm, COF - event organizer and communication manager - 2020 • L'Auberge des Migrants, Calais - Volunteer 2018 • MJC-CS Ti An Dud, Douarnenez - Ludotech 2023 • Maison Solidaire, Kermarron - Digital helper 2024

LANGUAGES

French - native
Spanish - native
English - native
German - proficient
Japanese - beginner

CS SKILLS

C++ / Python / Go / Assembly / Latex / Qt / Git / Multi-thread / gdb / Linux Shell / ML / AI / Automata Theo. / Complexity Theo. / Data Bases / Quantum alg. / App dev

PERSONAL PROJECTS

Clickator (app) / Rotalor (app) / Chrod Gen (app) / Idle to the dark side (pc game) / Started a band / Composed band music

HOBBIES

Big band, Fanfare, Banda, Jazz; trombone, trumpet, saxophone, flute, piano, guitar, pocket sax and drum player.