

# LOUIS PEYRONDET

ENGINEERING STUDENT IN COMPUTER SCIENCE

Bordeaux, FRANCE · [louis.peyrondet@hotmail.fr](mailto:louis.peyrondet@hotmail.fr)

- » Skills C, C++, Python, Lua, Bash, SQL, Scripting, Networking, Linux
- » Interests High Performance Computing, I/O Performance, Cloud, Parallel Computation, GPU
- » Activities Video Games, DIY Projects, Scuba Diving, Rock Climbing

## »»» Education

- |             |  |                        |
|-------------|--|------------------------|
| 2022 - 2025 | <b>Engineering, Computer Science</b>   | ENSEIRB-MATMECA        |
|             | <ul style="list-style-type: none"><li>» Working toward a 5-year engineering degree in the Computer Science Departement at ENSEIRB-MATMECA, Bordeaux Graduate School of Engineering</li><li>» Currently in fourth year of higher education</li><li>» Major coursework includes : Data Structures and Algorithms, Imperative/Functional Programming, Computer Architectures, Probabilities, Networking</li></ul> |                        |
| 2020 - 2022 | <b>University, Computer Science</b>  | University of Bordeaux |
|             | <ul style="list-style-type: none"><li>» Ranked 1st in class</li><li>» Selected to enter engineering school after the second year</li></ul>   |                        |

## »»» Experience

- |                |  |   |
|----------------|--|---|
| '23/06 - '23/8 | <b>Research Intern</b>   | INRIA (French Institute for Research in Computer Science) |
|                | <ul style="list-style-type: none"><li>» Designed and implementated in C a decentralized version of an I/O scheduler for Parallel File Systems</li><li>» Presented previous work at the French Conference in Parallelism, Architecture and System (Compas) Annecy July '23</li><li>» C, MPI, pthread, HPC, matplotlib</li></ul>           |   |
| '22/06 - '22/8 | <b>Research Intern</b>   | INRIA (French Institute for Research in Computer Science) |
|                | <ul style="list-style-type: none"><li>» Worked on studying and improving I/O performances of a finite element simulation HPC library</li><li>» Collaborated with the Brazilian National Laboratory of Scientific Computation (LNCC)</li><li>» Presented the paper in an international conference : SBAC-PADW Bordeaux Nov. '22</li></ul> |   |

## »»» Publications

- |      |  |  |
|------|--|--|
| 2022 | <b>Conference Paper</b>  |  |
|      | <ul style="list-style-type: none"><li>» F. Boito, A. T. A. Gomes, L. Peyrondet and L. Teylo, "I/O performance of multiscale finite element simulations on HPC environments," 2022 International Symposium on Computer Architecture and High Performance Computing Workshops (SBAC-PADW), Bordeaux, France, 2022, pp. 9-16, doi: 10.1109/SBAC-PADW56527.2022.00012.</li></ul> |  |

## »»» Languages

- |           |                           |            |            |
|-----------|---------------------------|------------|------------|
| » French  | Native                    | » Spanish  | Elementary |
| » English | Advanced (IELTS: 8.0/9.0) | » Japanese | Beginner   |