



ROBIN CHAVIGNY

General IT engineer specializing in Mathematical Modeling and Data Science

EDUCATION

- 09/2022 - 09/2025** **ISIMA Clermont-Auvergne INP | Clermont**
- 3rd year of Higher School of General Engineering in Computer Science
 - Specialty: AI / Maths / Data science / Modeling
- 09/2020 - 06/20022** **CPGE (Preparatory class for Grandes Écoles) MPSI->MP | Paris 12**
- Paul Valéry High school
 - Specialty: Maths / Physics / Engineering science
- 09/2019 - 06/2020** **Hector Berlioz High school | Vincennes**
- Bachelor's degree: Scientist
 - Specialty: Cinema / Life science

EXPERIENCE / PROJECT

- 01/2022 - 06/2022** **TIPE (Personal Initiative Work Framed)**
- Trinomial, **Python**, detect the first symptoms of fatigue in a motorist using a camera
 - My part: Creation of a mathematical model for the detection of significant points in an image
- 06/2023 - 2 weeks** **End of first year project (ISIMA)**
- Reinforcement learning - Trinomial + manager (3rd year student), **C**, for the creation of a prey/predator game played by an AI
 - Skill: **C, SDL2, Threads, Git, HTML**
 - Mention Good from the jury
- 12/2022 - 10/2023** **WEB Treasurer (Welcome Weekend)**
- Volunteer work, ISIMA student association
 - Forecast budget, inflow and outflow of money
 - Manage a crowd on different activities
 - Value: 20,000 euros, 150 people and 12 staff
- 05/2024 - 09/2024** **Research internship | JAIST University, Japan**
- Research / Explanation of arguments as well as their interactions during political debates by AI
 - Skill: **Python, Dash**, Public Research Presentation, **Heroku, Git**
 - <https://internship-robin-jaist-2024-c221d12dc8f8.herokuapp.com/>
- 03/2024 - 04/2024** **End of second year project (ISIMA)**
- Planning hospital appointments - Binôme
 - Subject provided by the Institute of Mines of Saint-Etienne
 - Skill: **C++, Python, LucidChart**
 - My part: Creation of different classes as well as placement algorithms / score calculation / creations and curve comparison
- 09/2023 - 06/2024** **Professeur particulier**
- Niveau Terminal spé Maths

PROFIL

Hobbies

- Sport (competition)
- Art
- Travel

Soft skills

- Analytical mind
- Stress management
- Positive attitude
- Curious
- Conflict management

Hard skills

- Languages :
 - French: Native
 - English: TOEIC 905/990
 - Spanish: Intermediate
- Programming:
 - Python / Matlab / C
 - C++ / Java
 - HTML / SQL / Dash / CSS

CONTACT

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