

ANTOINE HERRMANN



Passionate and proficient physics researcher with interests for analytics and computations. Self-taught developer. Able to effectively self-manage during independent projects, as well as collaborate as part of a productive team. Open to exploring new fields and meeting new people. Able to bring an original point of view to the table.

JOB APPLICATION

- C++/Python developer
- Data Scientist/Engineer
- Consultant

CONTACT

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🌐 @AntoineHerrmannGit
in Antoine Herrmann

SKILLS

Programming

Python ●●●●●●●●
C++ ●●●●●●●●
LaTeX ●●●●●●●●

Languages

French ●●●●●●●●
English ●●●●●●●●
German ●●●●●●●●

INTERESTS

Arts : Piano
Sports : Volleyball, Biking, Gym
Culture : History, Economy/Finance
Craft : Mechanics

WORK HISTORY

- 📅 08/2021 - 08/2022
📍 University of South Florida, Tampa, FL, US
Research Assistant
Performed DFT calculations of the electronic structure of diamond nickel peroxide and spin dynamics simulations on atomic lattices - Managed a team of teaching assistants made of computational and theorists
- 📅 02/2020 - 08/2020
📍 Complétude, Strasbourg, FR
Private Lecturer
Private lectures in math, physics, biology and geology (high school level) - material physics, structures physics, applied mathematics (bachelor level)
- 📅 02/2020 - 08/2020
📍 IPCMS, Strasbourg, FR
Research Intern
Performed analytic calculations of the temperature-dependence of RKKY interaction and laser-induced spin-orbit coupling corrections in 1D, 2D, 3D
- 📅 07/2017 - 08/2017
📍 Bürkert S.A.S., Triembach-au-Val, FR
R&D Intern
Optimization of flow-measurement models through non-invasive acoustic pulses

EDUCATION

- 📅 09/2018 - 09/2020
📍 University of Strasbourg, Strasbourg, FR
Master of Science
Magistère de Fundamental Physics : Condensed matter physics and nano-physics
Graduate with honors
Physics : Quantum Mechanics - Nuclear Physics - Atomic Physics - Statistical physics
Maths: Complex Analysis - Non-Linear Algebra - Differential Equations - Functional Expansions
- 📅 09/2015 - 09/2018
📍 University of Strasbourg, Strasbourg, FR
Bachelor of Science
Bachelor of Deepen Mathematics and Physics
Math : Linear Algebra - Functional Analysis - Topology - Geometry - Differential Equations
Physics : Classical Mechanics - Optics - Hydrodynamics - Thermodynamics
- 📅 12/2022 - 12/2022
📍 Online
Deep Learning - Python Computing: Gradient descent optimization - neuronal networks - pipelines
Python : Numpy - Pandas - Matplotlib - Scikitlearn

HONOURS AND AWARDS

- 🏆 French Physicists Tournament 2019 : Golden medal

GENERAL SKILLS

Teamwork Scrum Analytical thinking Critical thinking
Problem-solving oriented Continuous learning

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