|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Rémy SOUAN | | | | |
|  | PHD STUDENT IN FLUID MECHANICS | | | | |
|  |
|  | | Hiesse/Charente/France |  | I have at heart to make every effort to achieve excellence in my domain. I feel the need to acquire all the techniques and knowledge necessary, to develop my sense of observation, creativity, reflection, and critical thinking about the world around us. | | |
|  | | [(20) Rémy Souan | LinkedIn](https://www.linkedin.com/in/r%C3%A9my-souan-1719b3250/) |  |
|  | |  |  |
|  | | |  |
|  | | |  |  |  |
| SKILLS CAD software (Catia) 2 projects and 500 hours  Programming: python, C, 1 project and 500 hours  Ansys software: Motor-CAD, Edupack, respectively 1 project and 200 hours  Abaqus modeling: 1 project and 100 hours  Judo for 14 years, in competition, brown belt APTITUDES Always listening.  Ready to work in a team.  Ready to work under pressure.  Not stressed speaking  Enrich my knowledge in new areas. LANGUAGES FRENCH : NATIVE SPEAKER  ENGLISH : TOEIC TEST : 830/990 : B2  SPANISH : Beginer | | |  | WORK EXPERIENCE6 months internship: Development of Numerical Methods for the Simulation of Two-Phase Flows with Phase TransitionENSAM Ecole Nationale Supérieur d’Arts et Métiers / Paris / febuary 2024Development, validation of numerical methods (FV-MLS, finite volume method with least square reconstruction in high order), implementation of thermodynamic models (NASG), programming in SU211 weeks internship : Thermal engineering: exploitation of CFD resultsMoteur Leroy Somer / Angoulême / 19 of june to 1st of september 2023 Calibration of Motor-CAD software on CFD results (choice of calibration parameters). 11 months project : 1u satellite model for thermal and vibration testsENSAM : Ecole Nationale Supérieur d’Arts et Métiers / Bordeaux / 2022-2023 We designed and the manufactured a 1u satellite model. EDUCATIONPhD student in fluid mechanics . *IFPEN / Rueil-Malmaison / 2024-2027*  Development of wall model with artificial intelligence for wall heat flux predictions in 3D electric motors liquid cooling simulations. Master’s degree on Energy Conversion Machine. *Sorbonne university / Paris / 2023-2024*  Courses in turbomachinery, pump, turbine, compressor, hydrogen technologies, thermal and electric motors. Master of science in Engineering with a Major in Mechanics.ENSAM : Ecole Nationale Supérieur d’Arts et Métiers / Bordeaux / 2019-2024Courses in mechanics, materials, electromechanics, electronics, thermal engineering, energy, design, manufacturing, management. | |