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|  | Rémy SOUAN |
|  | PHD STUDENT IN FLUID MECHANICS |
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|  | 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/) |  |
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| SKILLS CAD software (Catia) 2 projects and 500 hoursProgramming: python, C, 1 project and 500 hoursAnsys software: Motor-CAD, Edupack, respectively 1 project and 200 hoursAbaqus modeling: 1 project and 100 hours Judo for 14 years, in competition, brown beltAPTITUDESAlways listening.Ready to work in a team.Ready to work under pressure.Not stressed speakingEnrich my knowledge in new areas.LANGUAGESFRENCH : NATIVE SPEAKERENGLISH : TOEIC TEST : 830/990 : B2SPANISH : 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 results Moteur Leroy Somer / Angoulême / 19 of june to 1st of september 2023Calibration 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 / 2022-2023We 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. |