Arnaud PATRA

BIRTH DATE 28/05/1996 ● PHONE +33 6 08 52 70 54 ● ADRESS 3 rue de l'Ile de Groix, 44420, La Turballe ● E-MAIL arnaud.patra@etu.emse.fr ● GITHUB https://github.com/Arnaud-Patra ● LINKEDIN www.linkedin.com/in/arnaud-patra-8a7626130/

EXPERIENCE

2018: Internship Airbus operations SAS, Assistant engineer
Creation of an activity monitoring tool on the A330 assembly line.
I created this tool using VBA. It collects KPIs from various databases to give engineers a global vision of the performances and activity of the A330 manufacturing. It is used to give executives the ability to boost their performances, but can also be used as a communication tool.

2017 – 2018: Research work, Intern
Rover team, Kayuza YOSHIDA's lab at the Tohoku University.
Conception of Mesh Generation algorithm for path planning of a rover.

2017: Technical internship, assistant technician
Repairer of pickups and trucks at SDVI, Orvault, France.

EDUCATION

2016 – 2019: Ecole Nationale Superieure des Mines de Saint-Etienne.
General training. Major in Computer Science and Big Data.
Databases, Big Data, Web semantic, IoT, android, Algorithmics, Logics, Image and Signal processing, Numerical simulations, Probability and statistics.

2017: Tohoku University (Sendai, Japan)
Parallel programing, Robotic systems.

2014 – 2016: Preparatory class (PCSI-PC). Lycée Chateaubriand (Rennes).

EXPERTISE

Ecosystems/OS : Advanced level in Windows and Linux.
Development : Ease in Python, Matlab, Java, Spring, C, Shell, VBA, HTML, VueJS. Object oriented programming (intermediate level). API, Arduino, Android.
Data management: SQL (intermediate level), NoSQL (beginner).
Office software : Microsoft Office Pack (deep expertise), Photoshop (advanced level), CC Premiere Pro.
Spoken languages : French (mother tongue), English (fluent, TOEIC 935), Spanish (advanced level : B1-2).

HOBBIES

Music : Guitar (7 years). Bass(several years). Piano (5 years). Fanfare.
Voile : Founder and president of the sailing club of l'Ecole des Mines. Competitive windsurf (6 years). Crushing skipper.
Humanitarian : Previously member of the humanitarian association Credit's Mines. Trip to Togo, Africa to implement Microfinance in villages.
DIY : Multiple electronics projects of building effect pedals for guitar.