QUENTIN ROUDIER

ABOUT ME

- 06/12/1996
- French
- Driving License

CONTACT

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IT SKILLS

- Python (Flask, Numpy, Panda, Tensorflow, ROS)
- Javascript (Node.js, React.js, jQuery, Express.js)
- HTML, CSS
- Git, GitHub
- SQL, MongoDB
- RESTful API

SOFTWARES

- Solidworks, CATIA, FUSION 360
- Arduino
- Matlab & Simulink
- Pack Office

ENGINEERING

- Robotics
- Mechatronics
- Image Processing

LANGUAGES

French: Mother tongue
English: Advanced
Japanese: Pre-Intermediate
German: Elementary

HOBBIES

Entomology (holder of a 200-specimens collection), drawing, coding, reading, travel, self-defense

ABOUT

Passionated about new technologies, I always want to get out of my comfort zone to improve my skills and understand the world around me. After working in a field as large as mechatronics is, I understood that coding is the part that I prefer and where I would be the most flourished. This is the reason why I'm looking now for an IT job such as software engineer or web developper. As a fast learner and a curious person, I know I can adapt quicly to new environnments like I did in my previous experiences.

WORK EXPERIENCE

- CONSULTING ENGINEER IN PYTHON, MECHATRONICS AND TEST DEVELOPMENT
SII working for MBDA and THALES and the internal Data Sciences Laboratory of SII | August 2020 - Today

- Python, C and Atlas scripts development
- Code review and maintenance
- Analysis of the hardware part of the system for debugging

- MECHATRONICS / ROBOTICS ENGINEER
DEMBoost | Oct 2019 - Feb 2020

- Innovating robotic solutions for nuclear decommissioning
- Designing the functional and behavioral system architectures of the robots
- Learning how to use ROS and simulating robotic tasks
- Simulating systems and creating algorithms on Matlab/Simulink and in Python
- Creating a robotic prototype system for radiological cartography in radioactive environments
- Learning about robotics in hostile environments

- MECHATRONICS / ROBOTICS INTERN
DEMBoost | Feb 2019 - Jul 2019

- Conceptions of robotic systems operating in hostile environments, mapping it and its radioactive emissions and taking samples of radioactive concrete.
- Presenting the robotics systems to the head of the French Atomic Energy Commission

- R&D INTERN IN POWER ELECTRONICS
Nagaoka University Of Technology in Japan | Mar 2018 - Jun 2018

- Studying the following subject: Single-phase power decoupling technique utilizing Hybrid method with passive and active power decoupling
- Simulate the electrical system on Simulink
- Participate to the redaction of a scientific paper

EDUCATION

WEB DEVELOPMENT FORMATION

   'The Complete 2021 Web Development Bootcamp' sur Udemy | 2021

ENGINEERING DEGREE (M2), MAJOR IN INDUSTRIAL ENGINEERING

   ESIEE Amiens (Superior engineering school in electronics and electrotechnics) | 2014 - 2019

RESEARCH MASTER (M2), MAJOR IN COMPLEX SYSTEM ENGINEERING - MECHATRONICS SYSTEMS

   UTC (University of Technology of Compiegne) - Sorbonne University | 2019 - 2019

PROJECTS

- CV WEBSITE WITH REACT AND NODE - Personnal project, in progress
- TO DO LIST APP WITH MONGODB - UDEMY
- "SIMON" GAME IN JAVASCRIPT - UDEMY
- MODIFIED CHESS GAME IN PYTHON - Personnal project