Software Development Engineer

Engineer with a Master II degree in Electronics, Electrotechnics and Automation (E.E.A.) specialized in Signal Imaging and Application. proposed by the University Toulouse III Paul Sabatier obtained in 2019 and a first Master 2 specialized in electronics obtained in 2017. Trained in Electronics, Mathematics, Physics and Computer Science. Passionate about programming (C/C++, C#, Python and Java)

Qannaf AL-SAHMI

Skills

💻 Programmations

- C/C++
- Python
- Matlab
- Java
- C#
- HTML/CSS
- PHP
- JavaScript
- VHDL
- SQL

🔧 Software & Tools: Tableau, Power BI, Quartus II, Matlab PhpMyAdmin, XAMPP, Tomcat

Continuous integration: Jenkins Git/Git hub, Docker, GitLab, Jira

IDE : VS Code, PyCharm, Qt

Machine /Deep learning : Keras /Tensorflow, CNN, ANN OpenCV, Numpy, pandas, seaborn matplotlib, SciPy, scikitlearn,

Methodology : Agile, V-cycle

⚓ Operation system:

MacOS

Languages

- 🇬🇧 ★★★★☆
- 🇫🇷 ★★★★★
- 🇾🇪 ★★★★★

Contact

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🎓 EDUCATION

2019 : **Master II-EEA** specialized in Signal Imaging and Applications
University Toulouse III – Paul Sabatier Toulouse-France

2017 : **Master II -EEA** specialized in biomedical electronics
University of Science and Technology of Oran-Algeria

UNIVERSITÉ TOULOUSE III PAUL SABATIER Université de Toulouse

💼 PROFESSIONAL EXPERIENCE

Software Engineer
Besancon [i] October/2020 to Today at Femto-st
  Parallelize the optical signal processing (OCT) algorithms to reach real-time using GPU.
  Parallelize the visual servoing algorithms to control a micromanipulation robot.
  Create robot interface using Qt
  Technical environment : C++, Cuda, Qt, PCL, VTK, Eigen3, OpenCV, Cmake, OCT, NI, Git/GitHub et MCVS

Software Engineer
Tours [i] October /2019 to September /2020 at Michelin
  Develop software to manage the production database of MICHELIN products
  Technical environment : Python, SQL, Pycharm, Git/GitHub, Miniconda and Microsoft SQL Server

MICHELIN

Engineer trainee MRI image processing - Python
Toulouse [i] February/2019 to August /2019 - UMR1214-INSERM /UPS-ToNIC
  Implemented and applied the processing algorithms to improve image quality
  Technical environment : Python, Matlab, OpenCV, DICOM, VTK, MRI and Git

Inserm La science pour la santé From science to health

Project – Computer vision – C++
Toulouse [i] November/2018 to January/2019 - UPS
  Creating an application with Qt and integrating computer vision algorithms into it
  Technical environment : C++, OpenCV, Linux, Qt, SCRUM

Data Scientist Internship – Python/Power Bi
Reims [i] April/2018 to June/2018 - Laboratory LISM - Reims – France
  Prepare data for analysis and visualisations
  Determine the structural properties of the pure copper-based alloy using deep learning
  Technical environment : Power BI, Python, Sklearn, Numpy, pandas, matplotlib, seaborn and Excel

LISM Laboratoire d'Ingénierie et Sciences des Matériaux

Internship - Segmentation by deformable region model and 3D Reconstruction – C++
Oran [i] Février/2017 à Juin/2017 - Laboratory Signal Image Parole – USTO, Oran, Algeria
  Develop the Level-set algorithm in C++ , 3D Reconstruction using the Marching Cubes algorithm, and
  Create a graphical application
  Technical environment : C++, Qt

SIMPA

Internship - Boite à outils traitement et segmentation d'images
Oran [i] February/2015 to June/2015 - Laboratory Signal Image Parole – USTO, Oran, Algeria
  Compare image processing and segmentation algorithms such as (Gaussian, Averager, Median…ect)
  Technical environment : Matlab

Internship – Medical equipment maintenance
Oran [i] March/2015 to May/2015 - Hospital of Oran, Algeria
  Assistance and participation in the preventive and corrective maintenance of some medical devices
  Technical environment : VTK / ITK, DCMTK

🏅 Certifications

Deep Learning Specialization
Machine Learning for Business Professionals
Introduction to Cloud Identity
Developing AI Applications on Azure
Getting Started with AWS Machine Learning
A Complete Guide on TensorFlow 2.0 using Keras API
Machine Learning for Beginners-Regression Analysis in Python
Tableau 2020 A-Z:Hands-On Tableau Training For Data Science
Neural Networks (ANN) using Keras and TensorFlow in Python
le Machine Learning avec Python
PHP & MySQL
Power BI A-Z: Hands-On Power BI Training For Data Science
Démarrez votre projet avec Python
Programmez avec le langage C++
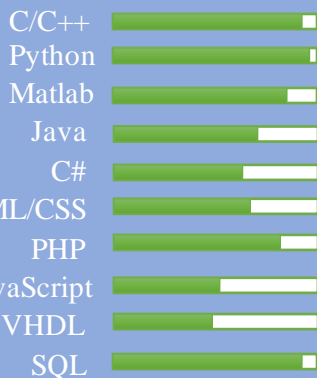
ⓘ Clicez ici pour visiter mon portfolio http://bit.do/AL-SAHMI

⚠ N'hésitez pas à me contacter 😊 : Linkedin