Soulaimane GUEDRIA

Curriculum Vitae

+33 (0) 769 228 693
guedria.soulaimane@gmail.com
www.guedria.com

Deep Learning/Computer Vision ▪ AI Scientific Project Coordination ▪ AI Research Scientist ▪ Technology Transfer ▪ Fundraising ▪ Intellectual Property ▪ 2+ Awards in AI innovation for Medical Informatics ▪ 5+ Years of Experience in AI

Experience

2022–Present **Data Scientist - Computer Vision**, *ARaymond Network*, Grenoble.

- In charge of setting up and integrating a computer vision object detection component to a global automotive industry quality control project within ARaymond internal incubator.
- Working on the intellectual property development and protection and public fundraising.

2021–2022 **Research Engineer**, *Floralis UGA Filiale*, Grenoble.

- Maturation stage and technology transfer of my Ph.D. thesis results supported and in collaboration with Linksium SATT venture capital.
- I coordinated the project budget planning (180 k€) and we collectively worked on business model development and patented intellectual property (1 Patent & 1 Software APP).

2020–2022 **Post-doctoral Research Fellow, Project Coordinator**, *LIG, Grenoble Alpes University*, Grenoble.

- Ensured the research project public fundraising (370 k€), planning and reporting. Raised 170 k€ from 2 national public funding institutions and 200 k€ from one private partner.
- Led a team of two data scientist and research engineer for the development of a deep-learning-based solution for rapid detection and diagnostic of Covid-19 and the migration of my Ph.D. thesis outcomes POC to a SaaS business distribution model.

2017–2020 **Research Engineer, Ph.D Candidate**, *LIG, Grenoble Alpes University*, Grenoble.

- Built an integrated, component-based and distributed deep learning medical imagining segmentation platform. More info: http://www.theses.fr/s178077
- Co-authored 4 peer-reviewed articles in reputable scientific journals and conferences such as Nature Research Scientific Reports (SREP) and Software: Practice and Experience.
- Patented my Ph.D thesis intellectual property (3 Software APP deposits).

2017 – 2019 **Graduate Teaching Assistant**, *IUT2, Grenoble Alpes University*, Grenoble.

I was teaching Linux, web development basics, algorithmics, c programming and providing end of study project tutoring for 5 students.

Feb–Jul 2016 **Data scientist Intern**, *Thuasne*, Grenoble.

- Implemented a text clustering application used in the company's marketing department for the costumer segmentation process.
- Developed a sentimental analysis system to pull the trends from a social network.

Jul–Aug 2014 **Software Engineer Intern**, *Anypli*, Monastir, Tunisia.
Designed and developed a Windows Phone 8.1 application.

2011–2014 **Tennis Refree**, *International Tennis Federation (ITF)*.
International Level 1 ITF refree in a set of national and international tennis tournaments.

Education

2017-2020 **Ph.D. in Computer Science**, *Univ. Grenoble Alpes*, Grenoble.
Thesis: A scalable and component-based deep learning parallelism platform: an application to convolutional neural networks for medical imaging segmentation.

2013 - 2016 **Software Engineer**, *INSAT, Carthage University*, Tunis, Engineer's degree.
Data Science and Information Systems Management

2011 - 2013 **Integrated Preparatory Cycle**, *INSAT, Carthage University*, Tunis.
Mathematics, physics and computer science

2007 - 2011 **Baccalaureate**, *High school of Ksibet Mediouni*, Monastir, Computer Science.
Highest Honors

Skills

Advanced
- AI Project Coordination, Fundraising and Technology Transfer
- Deep Learning, Computer Vision, Software Engineering, and Big Data

Intermediate
- Business Model Development, and Intellectual Property (IP)
- Medical Imaging, Text mining, Web and mobile development

Awards

2019 Winner of Judges' Vote award of the EIT Health PhD Translational Fellowships 2019, University of Oxford, England, UK

2018 EIT Health Innovation Days 2018 Grenoble Bronze Winner, Grenoble, France

2011 Baccalaureate Excellence Award (Ranked 9th nationally), Tunisia

Scientific Communications

2020 Variability and reproducibility in deep learning for medical image segmentation, *Scientific Reports - Nature Research (SREP), 120 citations*

2020 R2D2: A scalable deep learning toolkit for medical imaging segmentation, *Software: Practice and Experience*

2019 Automating CNN Parallelism with Components, *(2019 IEEE International CSCI-ISHI conference at: Las Vegas, Nevada, USA)*

2019 Auto-CNNp: a component-based framework for automating CNN parallelism, *(IEEE BigData 2019 PEASH Workshop at Los Angeles, CA, USA)*

Languages

French **Fluent**

English **Fluent**

Arabic **Mothertongue**