Daniel Alejandro Rodríguez López

Backend engineer

Graduate in Computer Science. Interested in Open Source, Optimization, and software development. Always trying to learn new things.

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WORK EXPERIENCE

Researcher
次世代アーキPJ/ Fujitsu Limited

01/2023 - 08/2023 *Nakahara-ku, Kawasaki*

Achievements/Tasks
- Research and improve performance in the Matrix Product State simulation method in the Qiskit framework.
- Work with Python, C++, OpenBLAS/Intel MKL, Intel VTune.

Contact : Takumi HONDA - honda.takumi@fujitsu.com

AI Fullstack Engineer
Shazura ⬀

08/2018 - 08/2022 *Madrid*

Start-Up developing a new method for image recognition.

Achievements/Tasks
- Upgrade and maintain legacy code.
- Develop new core functionalities and create from scratch new demos and applications.
- Optimise and redesign the architecture to increase processing speed by 100%.

Intern - Technical Sales
International Business Machines - IBM ⬀

10/2017 - 08/2018 *Madrid*

Achievements/Tasks
- Develop demos for clients and participation in projects related with Watson services and Internet of Things.
- Develop a coin detector using RaspberryPi and Watson. ⬀
- Develop a visual recognition solution using drones and an Android application.

EDUCATION

Master in Informatics Engineering
Universidad Carlos III de Madrid ⬀

09/2020 - 08/2022 *GPA 8.4/10*

Achievements
- Honors in: High Performance Computing, Massive and Linked Data
- Selected in Vulcanus in Japan 2022-2023

Bachelor in Computer Science and Engineering
Universidad Carlos III de Madrid ⬀

09/2013 - 07/2017 *GPA: 7,96/10*

Achievements
- Focused in Artificial Intelligence
- Bachelor Thesis: Development intelligent behaviors in StarCraft: Brood War

HARD AND SOFT SKILLS

Python C C++ Java | GNU/Unix Environment
Patience | Adaptability | Teamwork
Creativity | Vim | Git | Django | Flask
Nginx | AWS | OpenCV | Numpy | SWIG
OpenBLAS/LAPACK

PROJECTS AND ACTIVITIES

PicoVolume (03/2022) ⬀
- External media buttons for a keyboard to up/down volume and change audio device.

Member of the GUL UC3M (09/2015 - 08/2022) ⬀
- President (2020-2023).
- Organizer/Creator of the "GUL Jamón" series of events and activities focused on FOSS videogames.
- Speaker in mutiple talks, such as "Introduction to Python", "Introduction to Git" or "Assembling your computer"

LANGUAGES

Spanish ● ● ● ● ●
English ● ● ● ● ●
Japanese ● ● ● ○ ○

PERSONAL INTERESTS

Dogs | Kendo | Videogames | Open Source
Reading | Did I say dogs? | Amateur baker