GONZALO ROMERO ROMÁN

Mechatronics Engineer

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🜨 github.com/GonzaloRomeroR/   ♦ Aalborg, Denmark   🏳 Citizenships: Argentina, Spain, Brazil

OBJECTIVE

Mechatronics engineer with programming and automation skills seeking an opportunity to work at the cutting edge of technology and leverage my experience to support the development of software applications, robot analysis and design of control systems.

EXPERIENCE

Software Engineer
Create it Real

📅 May 2022 – Currently   ♦ Aalborg, Denmark

- Developed a 3D printing slicer. Collaborating with cross-functional teams to optimize software functionality, enhancing user experience and print accuracy.
- Contributing to the advancement of 3D printing technology with innovation and precision by enhancing slicing algorithms. Using C# as primary programming language.

Senior Firmware QA Engineer
Marvell Technology Inc.

📅 July 2020 – May 2022   ♦ Córdoba, Argentina

- Worked on a regression platform to check the correct firmware functionality of semiconductors used in high-speed communications.
- Test development and maintenance of specific devices regressions, continuous integration and data analysis. Using Python as main programming language.

Teaching Assistant
National University of Cuyo

📅 February 2019 – August 2019   ♦ Mendoza, Argentina

- Worked with algorithms in order to teach students concepts of artificial intelligence.
- Developed an image classifier to show students how to use machine learning algorithms using Python.

Web Developer
National University of Cuyo

📅 January 2017 – February 2018   ♦ Mendoza, Argentina

- Developed a web page for energy monitoring in public buildings. Front-end and Back-end using HTML, JavaScript, CSS and PHP. Made use of temperature and current sensors in order to send environmental information to a server and then display it.

SKILLS

| Robotics | 3D Modelling | Programming |

| Machine Learning | Automation |

| Python | C/C++ | Matlab/Simulink | Linux | SQL |

| Latex | Pytorch | Pandas | Git | Jenkins | Unity3D |

LANGUAGES

Spanish   ● ● ● ● ●
English   ● ● ● ● ●
French   ● ● ● ● ○
Italian   ● ● ● ○ ○
Danish   ● ○ ○ ○ ○

EDUCATION

National University of Buenos Aires
Specialization in Artificial Intelligence

📅 June 2021 – Currently

- Machine learning, data analysis, statistics, computer vision.
- Working on a platform to create synthetic image datasets using GANs.

National University of Cuyo
Mechatronics Engineering

📅 March 2014 – December 2020

- Automation, programming, robotics, artificial intelligence, mechanical design. Five and a half year program.
- Final degree project: "Teleoperation of hexapod robot": Kinematic and dynamic modelling, simulation, design, manufacturing and teleoperation of hexapod robot, 2020.

Savoie Mont Blanc University
Computer and Automation Engineering

📅 September 2019 – February 2020

- Exchange done in Annecy, France, during one semester. Computer science, embedded systems, automation.

HONORS & AWARDS

- Distinction for having one of the top academic performances of the Faculty of Engineering of the National University of Cuyo (Primer escolta provincial), 2018.

ADDITIONAL ACTIVITIES

TOEIC English exam
- Test TOEIC Listening and Reading: 985/990 (C1), 2019.

Publication
- Romero Roman, G., Gonzalez, R. "Modelado y Control Cinemático de Hexápodo de 18 grados de libertad"(Modeling and kinematic control of hexapod with 18 degrees of freedom). RPIC, 2019.