MARTIN DAVID GALVAN CASTRO

Software Developer

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Martin David Galvan Castro | Khaez

KNOWLEDGE

Django | Python Pandas | PyGame | ROSPy | Latex | Matlab | React | Node | AWS | Simulink | MySQL | MongoDB | OpenCV | Express

SKILLS

Leader | Independent | Independent Learning | inspiring | Patient | Analysis of abstract problems | Pro-active | Creative | Interdisciplinary Work

LANGUAGES

Spanish: Native

English: Advanced / IELTS C1

EDUCATION

Mechanical Engineering
Universidad de los Andes
2016 - 2020

Computer and System Engineering
Universidad de los Andes
2016 - 2021

PROFESSIONAL PROFILE

Mechanical and Software Engineer graduated from the Universidad De Los Andes. With experience working with Python, Django, ROSpy, Java, Matlab, SQL, and SQL Databases, MongoDB, Node, Express, React, and AWS. With interest in Robotics, Artificial Intelligence, Software Development, and Architecture, Modeling, Simulation, and Optimization and aspirations to become a Dev Ops Engineer.

EXPERIENCE

Freelancer Tutor | Livingston Research

10 2020 – 2 2021 | Bogotá, Colombia

- Freelancer tutor in the development of assignments and projects for English speakers.

Helpdesk Support Engineer | LiveU

2 2021 – Present | Bogotá, Colombia

- Offer support and issue resolution for broadcast and equipment of LiveU.
- Troubleshooting on Networking, Software, and Hardware issues on Fields Units and Servers for all Latin America
- Maintenance over Linux-based servers

PROJECTS

ApoyaFem |

08 2020 – 11 2020

- Developed a Django REST-API for social impact application.
- Winning project of The Uniandes 2020-2 Exhibition.

SenecaBot |

08 2020 – 11 2020

- Developed graphic interface, proportional control and communication protocols for autonomous navigation robot.

Dynamic analysis of semi-passive bipedal walker with double pendulum model |

01 2020 – 06 2020

- Modeling and Simulation of a semi-passive bipedal walker powered by electromagnets in Matlab and Simulink

NIMFA Epidemiological model for studying malware behavior in IoT Networks |

06 2021 – 12 2021

- Modeling and Simulation of the evolution of a Botnet over an IoT network