MARTIN DAVID GALVAN CASTRO

Mechanical Engineering

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Martin David Galvan Castro | Khaez

KNOWLEDGE

Django | Django REST Framework | FAST-API | Python Pandas | PyGame | ROSPy | Latex | Matlab | Angular | AWS | Simulink | MySQL | MongoDB | OpenCV | Ubuntu | CAD Modelling | Autodesk Inventor | Ansys Workbench

SKILLS

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

LANGUAGES

Spanish: Native

English: Advanced / IELTS C1

REFERENCES

Camila Peñuela
María Camila Peñuela Mejia

Beatriz Mejia
Beatriz H Mejia Gomez

PROFESSIONAL PROFILE

Mechanical Engineer graduated from the Universidad de los Andes, currently a senior computer and systems engineering student at the Universidad de los Andes. With interests in systems simulation and modeling, numerical methods, robotics, industry 4.0. With experience working with Python, Latex, Django, ROSPy, Java, Matlab, MySQL, MongoDB, PyGame, Angular,AWS, 3D CAD modelling in Autodesk Inventor and Finite Element Simulation for stress analysis on Ansys Workbench.

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 – Actual | Bogotá, Colombia

- Offer support and issue resolution for broadcast and equipment of LiveU.

EDUCATION

Mechanical Engineering | Universidad de los Andes

01 2016 – 08 2020 | Bogotá, Colombia

Computer and System Engineering | Universidad de los Andes

07 2016 – 08 2020 | Bogotá, Colombia

PROJECTS

ApoyaFem |

08 2020 – 11 2020

- Developed a 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