 /in/mikelvalenciazabaleta/

MIKEL VALENCIA ZABALETA

DATA SCIENTIST / SOFTWARE DEVELOPMENT

+1 years of experience in the engineering sector. 1 year of experience as a Data Scientist and Python developer focused on Fullstack Web Applications. Software development focused on Digitalization projects.

WORK EXPERIENCE

JUNIOR DATA SCIENTIST AT ITP AERO

September 2022 – Present [Zamudio, Spain] [ITP Aero - Dept. of Simulation]

RESPONSIBILITIES

- Responsible for the development and maintenance of a Fullstack Web Application in Python for data analytics based on SPC (Statistical Process Control) and generation of predictive models of machine learning oriented to the EDM manufacturing process.
- Performed data analysis and statistical analysis in Python oriented to the EBW manufacturing process. Generation of predictive machine learning models.

KEY ACCOMPLISHMENTS

- Provide EDM technologists / process engineers with an application that facilitates and enables to perform improved process data analysis, and implement statistical tools that encourage the use of good SPC practices.

TRAINEE PROCESS ENGINEER AT ITP AERO

February 2022 – July 2022 [Zamudio, Spain] [ITP Aero - Dept. of Casings]

RESPONSIBILITIES

- Participation as a process engineer with a multidisciplinary team in the automation of the deburring process of an aircraft engine case.
- Development and maintenance of code in Excel VBA. Performed other internal tasks, and used the company's SPC (Statistical Process Control) tools as well as workshop documentation.

KEY ACCOMPLISHMENTS

- Implementation of the automatic deburring process and participation in its continuous improvement together with a multidisciplinary team.

SKILLS

- ► Fast learner
- ► Responsibility at work
- ► Proactivity
- ► Organization
- ► Team work

- ► Python · Frameworks: pyodbc, Numpy, Pandas, Plotly, Dash, Sklearn, Statsmodels, Django, ...
- ► SQL
- ► HTML
- ► CSS · Frameworks: Bootstrap, Tailwind
- ► JavaScript · Libraries: JQuery
- ► Version control: Git, SVN Tortoise

- ► Microsoft Office 365 (Word, Excel, Power Point)
- ► Siemens NX
- ► Catia
- ► ANSYS Workbench
- ► TeamCenter

EDUCATION AND TRAINING

MASTER IN INDUSTRIAL ENGINEERING (SPECIALITY: MECHANICAL ENGINEERING) – 8.85

Bilbao School of Engineering (UPV-EHU) | 48013 Bilbao (Spain) | September 2020 – July 2022

MASTER IN AERONAUTICAL AND MACHINE TOOLS TECHNOLOGIES (SPECIALITY: MACHINE TOOLS TECHNOLOGIES) – Apt with mention of excellence

Bilbao School of Engineering (UPV-EHU) | 48013 Bilbao (Spain) | September 2020 – July 2022

BACHELOR'S DEGREE IN INDUSTRIAL TECHNOLOGY ENGINEERING (SPECIALITY: MECHANICAL ENGINEERING) – 7.51

Bilbao School of Engineering (UPV-EHU) | 48013 Bilbao (Spain) | September 2016 – July 2020

LANGUAGES

CAMBRIDGE ENGLISH LEVEL 2 CERTIFICATE IN ESOL INTERNATIONAL (C1 ADVANCED)

Cambridge English Language Assessment | July 2016

EGA (EUSKARAREN GAITASUN AGIRIA), EUROPAKO ERREFERENTZIA MARKOAREN C1 MAILA

Gobierno Vasco: Hezkuntza, Hizkuntza Politika eta Kultura Saila | December 2015

HIRUGARREN MAILA (C1) HABE EUSKARA-AGIRIA

Gobierno Vasco: Hezkuntza, Hizkuntza Politika eta Kultura Saila | December 2015