

Arturo Figueroa

M.SC. DATA SCIENCE STUDENT · SOFTWARE ENGINEER

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"Don't stop believing."

Experience

The Adecco Group

Berlin, Germany

DATA SCIENTIST INTERSHIP

May. 2022 - Oct. 2022

- Implemented a Benchmark project from scratch to evaluate different in house models' performance in recommendation tasks.
- Developed, Update and Work with Azure Machine Learning pipelines use them to data collection, data preparation, model training, model evaluation, and model deployment.
- Gained experience in the application of transformers models in NLP tasks such as text extraction, text normalization, and ontology.
- Gained experience working with PyTorch framework for developing Deep Learning models.

Softtek

Guadalajara, Mexico

JUNIOR API .NET CLOUD DEVELOPER

Jan. 2020 - Nov. 2020

- Developed and designed RESTful services and APIs with .NET.
- Familiarized with some cloud computing services specifically AWS.
- Involved in the development life cycle, definition, and feasibility analysis.
- Wrote object-oriented and maintainable code.
- Delivered quality results on time with minimal supervision

Softtek

Guadalajara, Mexico

SOFTWARE DEVELOPMENT ENGINEER IN TEST (SDET)

May. 2018 - Jan. 2020

- Tested the functionality, reliability, performance, and security of APIs developed by the developer team.
- Set up, maintained, and performed test automation frameworks on Web applications platforms.
- Investigated customer problems referred to me by the technical support team tested, created, and managed bug reports.
- Worked with deployment teams, resolved level issues for systems, coordinated product design, and offered inputs on the testability of functional elements and product designs.
- Researched test tools, methodologies, and trends and upgraded existing practices and processes.

Tata Consultancy Services

Guadalajara, Mexico

QUALITY ASSURANCE

Nov. 2017 - May. 2018

- Implemented from scratch automation tests with Selenium WebDriver improving the time of testing in our project.
- Ensured the new features and implementation are error-free and are working in conformance with the specified functional requirements.
- Designed test cases that cover all the requirements mentioned in the documentation.
- Executed manual test covered all the cases for each new feature in the project, checked the outputs and inputs to see the different behavior of the flow, cross-checked in the database the data recorded, and see it is expected behavior.
- Executed Integration Testing, Black Box Testing, and Performance Testing.

Tata Consultancy Services

Guadalajara, Mexico

JAVA DEVELOPER INTERN

Jan. 2017 - Nov. 2017

- Implemented configurations in the code regarding new rules or different conditions to get Deposits accounts.
- Removed an old web service and added a new one, using SOAP and REST, using JAVA as well to modify the code, designing new databases, working with JAVA EE.
- Familiar with Builds, Deploys, integration testing boxes, using RTC IBM to support our workstream, doing small changes in pages with HTML5 and CSS3, we used JDBC for the connection to the database.
- Followed the Scrum ceremonies like Stand up, Demo, Retrospective, planning, etc.

Education

Universität Trier

M.Sc. DATA SCIENCE

Trier, Germany

Oct. 2010 - PRESENT

University of São Paulo (USP)

BIOMEDICAL INFORMATICS

Ribeirão Preto, Brasil

Aug. 2015 - Jan. 2016

University of Guadalajara (UDG)

BIOMEDICAL ENGINEER

Guadalajara, Mexico

Feb. 2012 - Aug. 2016

Skills

Data Science

- **Languages:** Java, Python, R
- **Data Bases:** MySQL, PostgreSQL
- **Libraries:** PyTorch, Scikit-Learn, Pandas, Numpy, Spacy, Tensorflow, Plotly
- **Data Science Tools:** PyCharm, Git, Azure ML, Hugging Face, Pipenv, Pyenv, Databricks
- **Big Data:** Hadoop ecosystem, Map-Reduce, Giraph, Pig, Hive, Spark
- **Machine Learning:** Decision Trees, Random Forest, Naive Bayes, K-NN, SVM, K-means

Web Development

- **Languages:** Java, C, JS
- **Data Bases:** MySQL, PostgreSQL, MongoDB
- **Development Tools:** AWS, Jenkins, Git, Unix/Linux, Jira
- **Testing Tools:** Selenium, Postman Api, JUnit, SOAP UI, JMeter
- **IDE:** Visual Studio, Visual Studio Code, Eclipse
- **Agile Development**

Hardware Skills

- **Embedded Systems:** Arduino, PIC
- **Digital and Analog Electronics**

Languages

- **Spanish** Native, **English** C1-C2, **German** A2-B2, **Portuguese** B1