Marco Antonio Parra Fernández

Data Engineering / Web Developer

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Perfil profesional

Profesional con conocimientos aplicados en el campo de la gestión de operaciones, adicionalmente he participado en proyectos de transferencia tecnológica, y un apasionado sobre aprender continuamente en tecnologías de la información tales como: desarrollo web y análisis de datos. He estado programando en Python durante más de 4 años. Entusiasta en la obtención de conocimientos a través del uso de la aplicación de la ciencia de datos a través de la construcción y mantención de aplicaciones que den soluciones a las problemáticas de la industria.

Respecto a mi personalidad soy una persona introvertida, que se caracteriza por ser metódico y con un alto nivel de resiliencia, orientado en el trabajo en equipo y aprendizaje continuo.

Formación Académica

2017 Mar
2022 Jun

Magister en Ingeniería Industrial — Universidad del Bío-Bío

- Investigación de operaciones & modelos de optimización (Metaheurísticas).
- Tesis de grado: A meta-heuristic to minimize total tardiness in a job shop scheduling problem (Lenguaje de programación: Python).

2003 Mar
2010 Sep

Ingeniero Civil en Industrias de la Madera — Universidad del Bío-Bío

- Gestión y optimización de procesos manufactureros

2013 Mar
2014 Dic

Gestión y Desarrollo de Competencias para la Supervisión — Universidad del Desarrollo

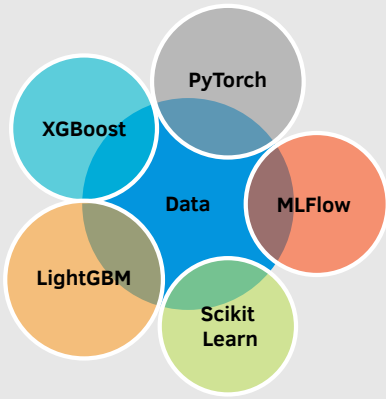- Generar competencias en el liderazgo y resolución de conflictos

Experience

Dec 2021
Present

Data Scientist — HepsiEmlak

- Creating various image processing, regression, segmentation & classification projects on image data.
- Using Pillow, PyTorch and Transfer Learning models to build up projects.
- Predicting realty prices (known as Automated Valuation Model) using Machine Learning.
- Actively using Apache Kafka, RabbitMQ, Spark, Hadoop and Docker in development and Kubernetes & Jenkins in deployments.

Oct 2019
Dec 2021

Data Scientist — UrbanStat

- Creating ML based risk scores for automobiles & houses for the use of insurance companies.
- Predicting wildfires and dangerous regions in California & West Coast of US using ML algorithms. Using SHAP library to present interpretable outputs.
- Dockerizing developed models to be moved into production.
- Developing a churn project for house policies.
- Excessively using libraries of Lightgbm & Xgboost.

Sep 2018
Oct 2019

Fraud Systems Engineer — Turkcell

- Leading a ML project that aims to predict which customers are going to object to their invoices. Trying to lower the returns that customers get from Turkcell. Dealing with an unbalanced problem.
- Monitoring Fraud and Credit Control services of Turkcell. Deploying software packages on live environment.

Apr 2018
Aug 2019

Junior Data Scientist — Organon Analytics

- Designing dashboards for end users in Shiny library of R.
- Automating workflows through Python scripts.

Nov 2017
Mar 2018

Freelance Coder — AG Bioinformatics

- Designing and coding experiments used for EEG Analysis.
- Actively using Python and Neurobs's Presentation Software.

Achievements

Kaggle	**Kaggle Expert**

- Collecting 3 silver and 2 bronze medals in competitions. Joining more than 20 competitions.

2017 ALES	**Coming 147th in Turkey**

- Coming in 147th in 2017 Spring ALES(Academic Personnel and Postgraduate Education Entrance Exam) among 300 thousand people.

2012 YGS	**Coming 300th in Turkey**

- Coming in 300th in 2012 YGS(The Transition to Higher Education Examination) among 1 million 860 thousand people.
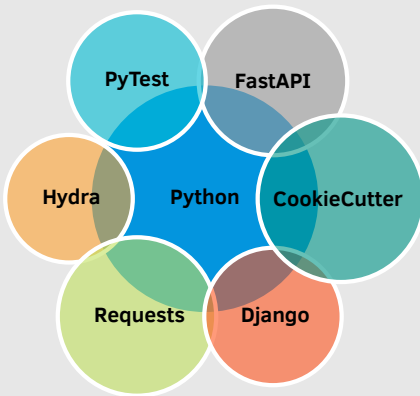
ML Libraries

Programming Skills

- Python • Django

- Linux • Git • SQL • Microsoft Excel

- HTML • CSS • SQL • React • NodeJS

- AWS • Javascript • Ruby On Rails

Python Libraries

Languages

Español (Native Language)

English (B2 - Professional

Projects

Django App	**muhammedbuyukkinaci.com**	GitHub Link

- A dynamic Django Application deployed on a VPS of DigitalOcean.
- Using Bootstrap, JavaScript, PostgreSQL, NGINX, Gunicorn and Docker to build up the website.

Time Series	**Bitcoin Trading**	GitHub Link

- Building up an LSTM model to predict price volatility on 4-hourly Bitcoin data.
- Obtaining a fractional important signal on trading.

Image Segmentation	**DeText**	GitHub Link

- Creating an imitated dataset via printing texts on images.
- Tranining a UNet model to remove texts on images via TensorFlow.

Image Classification	**Multiclass Image Classification With TensorFlow**	GitHub Link

- Training a CNN (AlexNet) on multiple classes from scratch.

Certificates

AWS	**Introduction to AWS**	Certificate Link

- Completing a 25-hours AWS Course on Udemy. Putting my notes on a Github repository.
- Learning fundamentals of AWS. Having a detailed knowledge on EC2, S3, VPC, RDS and DynamoDB.

MLOps	**Complete MLOPS Bootcamp**	Certificate Link

- Completing a 3.5 hours MLOps course and listing my learnings on Github.
- Learning useful tools for MLOps practices to improve Machine Learning Development Lifecycle.

Docker	**Docker A-Z™**	Certificate Link

- Completing a 16-hours Docker Course on Udemy and putting my takeaways upto a GitHub Repository.
- Having a detailed knowledge on Docker.

Linux	**Linux A-Z™**	Certificate Link

- Completing a 10-hours Linux Course on Udemy and listing my notes on a GitHub Repository.
- Enhancing my Linux knowledge.

Big Data	**Big Data A-Z™**	Certificate Link

- Completing a 12-hours Big Data Course on Udemy and listing my learnings on Github.
- Having basics of Apache Kafka, Hadoop, Spark and other NoSQL technologies.

Airflow	**Introduction to Apache Airflow**	Certificate Link

- Completing a 2.5 hours Airflow course and listing my learnings on Github.
- Comprehending basics of Airflow.