

Martin Carrasco

Vrije Universiteit Amsterdam

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[martin-carrasco](#) in

MS student of Artificial Intelligence with industry and research experience. Passionate and driven by current problems in AI and Computer Science. Interested in research related to computational linguistics, deep learning and natural language processing.

EXPERIENCE

Airnguru

Santiago, Chile

Backend Developer

Remote

Jun 2022 - Jul 2023

- Optimized a big data-related process for managing airline fares and reduced the execution time by 10%
- Developed a metric extraction system from CloudWatch to enable metrics to be stored and visualized through BigQuery
- Optimized the calculation of airplane routes and reduced execution time by 40%

Xerpa Inc

Mexico City, Mexico

Backend Developer

Remote

Feb 2022 - Jun 2022

- Development of services related to processing and categorization of financial data to allow users to better understand their spending habits
- Developed a task execution system to verify that certain criteria are met and generate reports using TDD and DDD.
- Used Django along with PostgreSQL/SQLAlchemy for backend development and AWS Lambda, Cognito, API Gateway, EC2, ECR, S3, CloudWatch for processing data and making endpoints available to clients

AmigoCloud SAC

Lima, Peru

DevOps / Backend Developer

Remote

Mar 2021 - Feb 2022

- Implemented systems for CI/CD using Gitlab.
- Managed the deployment of resources to production and testing environments using a mix of Kubernetes, Docker, Docker Compose, and Helm
- Development and bug fixing of micro-services using Django

Voxiva SAC

Lima, Peru

Data Scientist

Remote

Jan 2020 - Aug 2020

- Statistical data analysis and exploratory data analysis to generate solutions to predict, forecast, or extract insights from data
- Implementation of databases and scripts for data cleaning, filtering and data warehousing
- Made use of ML and AI libraries to generate prediction and forecasting models (TF, PyTorch, scikit)

Universidad de Ingenieria y Tecnologia

Lima, Peru

Teaching Assistant - Operating Systems

In Person

Mar 2019 - Dec 2020

- Assessed student assignments to check quality and completeness before submission for grading
- Assisted and mentored students in groups of up to 20 by reviewing lesson teachings and going over previous exams
- Recorded grades for coursework and tests in an online reporting system
- Assisted lead teachers with lesson plan creation and materials development

EDUCATION

Universidad de Ingenieria y Tecnologia

BS in Computer Science

Lima, Peru

- **Relevant courses:** Competitive programming , Advanced Data Structures, Analysis and Design of Algorithms

Vrije Universiteit Amsterdam

MS student in Artificial Intelligence

Amsterdam, Netherlands

- **Relevant courses:** Deep Learning

AWARDS

Top 100 recognition @ IEEE-Xtreme

Placed on place 49 of over thousands of teams in a 24-hour competitive programming competition

Lima, Peru

Oct 2019

VOLUNTEERING AND SOCIETIES

Open Day @ Universidad de Ingenieria y Tecnologia

Assitant: Supporting workshops in career fair for Computer Science

Lima, Peru

Mar 2019

Presenter: Presentation of an Arts and Technology project related to Shipibo-Conibo imagery “Convirtiendo Imágenes a Sonidos”

Mar 2020

IEEE - Computer Society @ Universidad de Ingenieria y Tecnologia

Lima, Peru

Treasurer: Founding member. Gave workshops on data structures used by git, statistics and arranged talks / paper reviews

2019

Competitive Programming Club (CPC) @ Universidad de Ingenieria y Tecnologia

Lima, Peru

Member: Top 100 in IEEE-Xtreme 2019, competed in regional competitions and trained thoroughly

2019-2021

Computing Systems Research Group @ Universidad de Ingenieria y Tecnologia

Lima, Peru

Member: Focused on computer architecture and operating systems. Produced one paper related to photonics

2019-2023

Computational Linguistics and Text Mining Lab @ Vrije Universiteit Amsterdam

Amsterdam, Netherlands

Member: Independant collaboration on research about techniques for text summarization in computational linguistics

2023-Now

TECHNICAL SKILLS

- Python, Pandas, Scipy, Seaborn, Tensorflow, PyTorch, Django, FastAPI, Flask, SQL, C++/C, GIT, Latex, MongoDB, AWS, GCP, DataWarehousing, Docker, Kubernetes, MPI/OpenMPI Advanced
- Java, JS, HTML, CSS Medium

LANGUAGES

- **Spanish** Native speaker
- **English** C2
- **Italian** A1