

Jason Ennio Solano Pillaca
Backend Developer | Machine Learning Researcher

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Experience

WorStat - Educational Platform

Remote

Freelance

February 2024 – July 2024

- Developed an educational platform focusing on statistical software courses using Django, Django Rest Framework, Django AllAuth, AWSS3, PostgreSQL and Mercadopago API.
- Deployed the application on Heroku and utilized AWS S3 for media file storage.
- Integrated Mercado Pago API for course payments.
- Implemented User authentication using Django AllAuth.

Unasam - Interactive Dashboards and Predictive Modeling

Ancash, Peru

Machine Learning Engineer Intern

November 2023 – February 2024

- Developed interactive dashboards in Power BI to visualize and predict process indicators for schools and departments.
- Utilized Python (pandas, numpy, Matplotlib, Seaborn, statsmodel) to develop predictive models such as ARIMA for time series forecasting.
- Utilized predictive analytics to forecast the courses each professor would likely teach in upcoming semesters.

KiwiOptics - Optic Management Website

Ancash, Peru

Freelance

April 2021 – Present

- Developed a comprehensive web-based management system for optics stores using Django, Django Rest Framework, AWS S3 and PostgreSQL.
- Deployed the application on Heroku and utilized AWS S3 for media file storage.
- Integrated third-party authentication, allowing users to sign up with Google, email or username.
- Implemented role-based access control, allowing store owners to assign specific permissions to employees, such as restricting the ability to delete or only read prescriptions.
- Added functionality to automatically convert prescriptions to PDF, facilitating easy printing.

Skills & Interests

Technical: Python, Django, Django Rest Framework, SQL, PostgreSQL, MySQL, Git, AWS, Numpy, Pandas, Matplotlib, Seaborn, Heroku, HTML, CSS, Javascript, Bootstrap, TailwindCSS, Node

Language: English C1, Spanish Native

Education

Massachusetts Institute of Technology

Online

MicroMasters program in Statistics and Data Science

May 2022 - Present

- Probability - The Science of Uncertainty and Data
- Machine Learning with Python-From Linear Models to Deep Learning

Universidad Santiago Antunez de Mayolo

Ancash, Peru

Bachelor in systems engineering

April 2018 - March 2024

- First place in the entrance exam
- I was among the top 5% of students.