

Pablo Felgueres

Software engineer with experience building interfaces for language models, tools to monitor ML model performance, and rapid prototyping of user facing features.

pablofelgueres.com, github.com/felgueres

Perplexity AI, Software Engineer, Product, 2023

- Built APIs to add real-time information into queries using third party provider data.
- Developed a new conversational interface showing widgets along with LLM responses.
- Built APIs and internal tooling to debug language model outputs.

Sabbatical, 2022-2023

- [Street Cleaning Parking](#). iOS app to simplify parking in SF. Featured in [ABC news](#)
- [Upstream](#). A conversational interface leveraging language models with video, audio, web browsing, and Chrome tabs. Top 10 product of the day on product hunt
- [Built tools for product development](#), including feature flags, dynamic configs, and an SDK to capture events and analytics.

Uber, ML Software Engineer, 2018-2022

Driver Pricing

- Owned the data pipelines to train ML models. Used PySpark for data processing, and Airflow for orchestration. Scaling involved technical deep dives to debug memory issues, increase parallelism, and optimize resources to maintain our weekly model training and deployment schedules.

Marketplace Forecasting

- Owned ML model performance monitoring. Built an evaluation framework to summarize performance metrics across temporal and space granularities. The data pipelines ran on a schedule with self-service onboarding for custom metrics. Also built an intuitive front-end interface used by the team.
- Built a fault-tolerant component to recover messy data for ML training, increasing availability and data quality for our models.
- Worked with the authors of [Synthetic Interventions](#) to implement their causal machine learning methodology for experiments at Uber

Enertis Solar, Product engineer, 2015-2017

Using ML and deterministic models to predict energy output using solar sensor data.

- Built automated tools to monitor plant performance. This application was used by clients such as Goldman Sachs and SunEdison for M&A and refinancing transactions.

University Tecnológico de Monterrey

2010-2014, BSc in Electrical Engineering. Received full scholarship to participate in a graduate program by the European Centre for Innovation.