

Valentina Cano Arcay

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Work Experience

eSource Capital

Software Engineer

Barcelona, Spain. May 2024–present

- Architected and deployed AI-driven cloud-native applications for clients in banking, legal, pharma, and SaaS, using Flask, FastAPI, Google Cloud Platform tools, and microservices architecture to ensure scalability and maintainability
- Engineered a Python-based credit memo processing system for a bank utilizing Gemini LLM for multi-modal data extraction, significantly enhancing data accuracy and reducing manual processing time from hours to minutes
- Developed intelligent chatbots for HR departments, integrating Python webhooks to enhance responses and creating REST APIs for dynamic data retrieval (e.g., from Atlassian Confluence), improving operational efficiency

Product Analyst, ToogleBox

Caracas, Venezuela. October 2023–April 2024

- Led the ToogleBox web app redesign, applying user behavior analytics and data-driven UI/UX design principles
- Collaborated with engineers to translate feedback into development requirements and create interactive mock-ups

The Walt Disney Company

Data Analyst, Disney+ EMEA Content

London, UK. September 2021–August 2023

- Automated a data pipeline using Databricks, Snowflake SQL, and Google Sheets, to integrate data across product and finance teams and reduce weekly analysis time by 10+ hours
- Designed and implemented new Python-based performance projection framework to optimize marketing decisions
- Built interactive Looker dashboards to provide content insights, boosting cross-team collaboration and productivity

Associate Data Analyst, Disney+ Product Personalization

New York City, USA. January 2020–August 2021

- Implemented A/B testing frameworks in Python and automated daily KPI monitoring system in Looker, to evaluate the output of machine learning-powered recommendation algorithms and their impact on homepage engagement
- Translated complex algorithms into actionable insights reports for non-technical stakeholders

Meta

Data Science Intern, Facebook Groups

Seattle, USA. May–August 2018

- Evaluated A/B test results comparing machine learning-driven and organic invite methods, and different UI design strategies in Groups invites, using SQL queries and data visualizations

Data Science Intern, Facebook University for Analytics

Menlo Park, USA. June–August 2016

- 1 of 10 participants in 1st class of FBU Analytics, a program focused on underrepresented minorities in tech
- Assessed GDPR's impact on user engagement, proposing growth opportunities using SQL queries and Python

Brown University Computer Science

Research Assistant, Human Computer Interaction Lab

Providence, USA. January–June 2018

- Contributed to Prof. Huang's NIH-funded Sochiatrist project, predicting mood and behavior trends with social data
- Implemented fixes in Python for social media data extractor, improving data accuracy

Teaching Assistant, Introduction to Object-Oriented Programming

Providence, USA. August–December 2015

- Assisted in teaching 350+ students OOP and Java fundamentals for Prof. van Dam's CS15 course
- Held weekly office hours, led lab sessions, crafted lecture content, designed homework, and graded 100+ projects

Education

Georgia Institute of Technology

August 2024–present

Master of Science in Computer Science (online, part-time)

4.0/4.0 GPA

- *Courses:* Software Development Process (Software Engineering), Video Game Design
- *Key projects:* JobCompare Android app

Brown University

Providence, USA. December 2019

Computer Science & International Development Studies, B.A.

4.0/4.0 GPA

- *Relevant courses:* Object-Oriented Programming & Java, Algorithms & Data Structures, Computer Systems, Discrete Structures & Probability, Linear Algebra, User Interface Design

Skills

- **Programming Languages:** Java, Python, SQL, HTML/CSS, familiar with C# and Javascript
- **Tools & Frameworks:** Git/GitHub, Docker, Flask, Android Studio, JUnit, Espresso, Unity, Agile/Scrum methodology
- **Cloud:** Google Cloud Platform (Vertex AI, Dialogflow, Cloud Storage, Cloud Run, Cloud Scheduler, BigQuery)
- **Data Tools:** Looker, Snowflake, Databricks, numpy, pandas, scikit-learn
- **Languages:** Spanish (native), English (native), Portuguese (beginner)