Paula Verdugo

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Technical Skills

Languages: Java, Python, C++, JavaScript, Swift, SwiftUI
Technologies: Git, RESTful APIs, MySQL, PostgreSQL, Power BI, AWS
Tools: SQL, R, GitHub, Docker, AWS Amplify

Education

Bachelor's in Computer Science and Technology   **2021 - 2025**
Tecnológico de Monterrey ITESM

Relevant Coursework: Advanced Natural Language Processing, Object-Oriented Programming, Data Structures and Algorithms, Graph Theory and Applications, Internet of Things (IoT) Design, Data Science for Decision Making.
Robomaster: International robot competition. Involved machine vision, embedded system design, C++, and mechanical control. Attained first place.
Recipient of Academic Excellence Scholarship.

Professional Experience

Amazon   **Summer 2024**
Beautiful Patterns

Partnered with MIT and AWS in a **social service initiative** to teach young women computational thinking and coding. Through mentorship and hands-on learning, empowered participants to build confidence and pursue success in any field they choose.

DiDi   **April 2023 – April 2024**
Growth Software Developer Intern

Engineered and implemented strategic retention and growth initiatives, applying advanced algorithms and machine learning techniques to boost user **engagement and retention**.
Conducted comprehensive **data analysis** using **SQL, R, and Python**, delivering insights that contributed to a 20% increase in user retention.
Designed and optimized **interactive dashboards** with **Power BI**, providing **real-time analytics** and supporting data-driven decision-making for key stakeholders.

Ben Kinney   **Summer 2021 & 2022**
Software Developer Intern

Developed **scalable web applications** using HTML, CSS, and JavaScript.
Led the design and deployment of an **automated email marketing service**, **boosting user engagement by 42%** through targeted campaigns.

Projects

Amazon Capstone   Developed a real-time call center monitoring system for supervisors, incorporating sentiment analysis and performance metrics to improve operational efficiency. Utilized AWS technologies like Amazon Connect, DynamoDB, and AWS Amplify to deliver scalable solutions.