

Zamir Rogger Lizardo Mejía

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Computer Science Student — Full-Stack Developer

Education

UNIVERSIDAD DE INGENIERÍA Y TECNOLOGÍA (UTEC)

Lima, Peru

Bachelor of Science in Computer Science, Top 10% of Class

Expected May 2027

Relevant Coursework: Data Structures and Algorithms, Linear Algebra, Cloud Computing, Algorithm Analysis and Design, Machine Learning, Statistics and Probability, Database Systems, Object-Oriented Programming

Technical Skills

Languages: Python, Java, C++, JavaScript, TypeScript, HTML, CSS

Frameworks: React Native, Express JS, Django, Spring Boot, Fast API, Flask

Databases: MongoDB, MySQL, PostgreSQL, DynamoDB

Cloud/DevOps: AWS (Lambda, EC2, Glue), Docker, Git

Other: RESTful APIs, Microservices, WebSockets, Machine Learning

Projects

Travel Communication Platform: Full-Stack Development Project

Mar. 2024 - Aug. 2024

Developed comprehensive web and mobile platform connecting travelers with local hosts using microservices architecture with Docker. Implemented real-time messaging with WebSockets, booking systems, and integrated multiple databases (PostgreSQL, MySQL, MongoDB). Built with Java Spring, Node.js, TypeScript React, and React Native, deployed on AWS.

Math Tutor AI Platform: AI-Powered Education Project

April 2025 - June 2025

Built full-stack AI tutoring platform tested with students in Peru, significantly improving math performance through personalized learning. Integrated AI APIs with Java microservices backend and FastAPI services. Deployed on AWS EC2 with auto-scaling capabilities and TypeScript frontend for seamless user experience.

Multi-Tenant Music Streaming Platform: Cloud Architecture Project

Sep 2024 - Dec. 2024

Built serverless, scalable music platform using AWS Lambda and multi-tenant architecture achieving 99.9% uptime. Designed ETL pipelines with containerized data processing and created comprehensive business intelligence dashboards in Looker for data visualization and analytics.

E-Commerce Microservices System: Full-Stack Development Project

Aug. 2024 - Oct. 2024

Implemented a scalable full-stack platform using microservices architecture with Python (Django, Flask) and Java Spring. Containerized services using Docker and deployed on AWS, with automated data ingestion workflows via AWS Glue for data processing. Developed the web interface with Vite and TypeScript.

Handwritten Digit Recognition: Machine Learning Project

April 2024 - June 2024

Developed computer vision algorithm achieving 80% accuracy in digit classification using C++ with optimized mathematical operations. Implemented custom image preprocessing algorithms and distance-based classification techniques for real-time digit recognition.

Relevant Experience

UNIVERSIDAD DE INGENIERÍA Y TECNOLOGÍA (UTEC)

Lima, Peru

Teaching Assistant, Introduction to Computer Science

April 2025 - July 2025

Mentored 50+ first-year students in Python programming fundamentals and algorithmic thinking. Guided students through text processing projects using scikit-learn and image processing with NumPy. Maintained weekly office hours and conducted problem-solving sessions, improving student performance by 25% on average.

ARTIFICO AI

Remote

AI Data Volunteer

May 2024 - August 2024

Processed and labeled datasets for vehicle recognition challenge using Python. Implemented data preprocessing and cleaning techniques, improving model accuracy by 15%. Collaborated with cross-functional team to optimize data quality and annotation standards.

Additional Skills

Spanish (Native), English (B2 - Duolingo English Test Certified), Microsoft Excel (Intermediate), Statistical Analysis, Data Visualization