Renzo Iwamoto Kanashiro | Computer Science Student (9th semester)

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Profile

I am a 9th-semester student pursuing a degree in Computer Science at PUCP, consistently ranking in the top ten percent of my class in the Faculty of Science and Engineering. My experience spans various projects, ranging from developing a project management system using React, Node, and MySQL to implementing an ERP (JAVA, C#) for a food products store. My skills encompass programming in C, C++, C#, Python, JAVA, and JavaScript, along with a strong command of SQL and R.

I have worked with libraries such as scikit-learn and TensorFlow, applying my knowledge in machine learning to detect fraudulent transactions and predict potential clients. This versatility positions me as an ideal candidate for roles in computer engineering, software development, machine learning, and data science.

Habilidades

- Web Design
- Python
- Machine Learning
- Data Science
- Data base
- Information arquitechture
- AWS
- SQL

Education

- **Ingeniería Informática** (9th Semestre) | Pontificia Universidad Católica del Perú
- **Machine Learning Specialization** | DeepLearning.AI, Standford University
- **Applied Machine Learning in Python** | University of Michigan, Coursera

Work Experience

Ago 2023 – Present Centro de Innovación y Desarrollo PUCP, Lima

Fullstack Developer

I have actively participated in various areas, including user interviews, process mapping and improvement, user experience analysis, process automation, database design and

implementation, web scraping, and software development using React, Node, Python, and MySQL. Additionally, I played a key role in the administration of AWS servers.

Responsibilities:

- Software development with React/Node/JavaScript/Python/MySQL
- Design and implementation of MySQL database
- Analysis and improvement of processes
- Automation with web scrapping
- User interviews
- AWS server administration
- Project Management

Additional

Software

Excel, Word, PowerPoint, Microsoft Windows, Linux

Programming Languages

Python, JavaScript, SQL, C, C++, C#, JAVA

Languages

Spanish (native), english (advanced), japanese (basic)

Project

Software for food products store

Throughout my academic journey, I led and developed a comprehensive software project aimed at the efficient management of a store, covering critical areas such as sales, inventory, products, orders, and personnel management. The backend implementation was carried out using Java to ensure a robust and scalable architecture, while the frontend was built with C# to provide an intuitive and appealing user interface. The essential database for information management was designed and managed using MySQL. Furthermore, to ensure a reliable and flexible infrastructure, the system architecture was implemented on AWS.

Compiler development with c and yacc

During my academic training, I took on the challenge of developing a compiler from scratch using the C programming language and the yacc tool. This project showcased my ability to grasp the fundamentals of compilers and apply theoretical knowledge in a

practical setting. The implementation focused on the syntactic analysis of the source code, without involving an additional frontend component. This experience solidified my skill in tackling complex projects, emphasizing the importance of efficiency and code optimization in software development.

System for Project management

Throughout my academic journey, I led a comprehensive software project focused on efficient project management. Using key technologies such as React for the frontend, Node.js for the backend, and MySQL as the database management system, I designed and implemented a robust and scalable application. The React-built frontend provided a dynamic and efficient user interface, while the Node.js-powered backend effectively managed business logic, authentication, and authorization. MySQL database ensured secure and efficient storage of project information. Additionally, to optimize infrastructure, I implemented the AWS cloud architecture, enabling exceptional scalability and reliability.

Credit Card Fraud Detection using Machine Learning

Throughout my academic journey, I led a machine learning project focused on credit card fraud detection. Using Python, scikit-learn, and TensorFlow, I implemented thorough data preprocessing, explored and selected classification algorithms such as Random Forest and Support Vector Machines, and trained a model that was subsequently integrated into a real-time system for automatic fraud detection.