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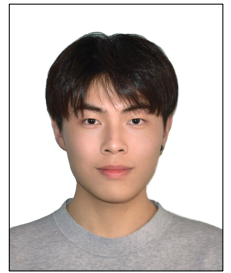
Visionary Software Engineer seeking 2024 PM & Consulting Internships

Madrid, Spain | 📱 645 45 63 50 | ✉ lubinyee@gmail.com

in LinkedIn | 🌐 itslubin.com | ⭕ GitHub

About

I love leveraging technology to drive innovation and enable businesses to thrive. My focus lies in building software solutions that empower users to achieve more than ever before. I have a curious mindset and eagerness to learn when facing new challenges.

Skills

- **Skills:** Account Management, Cost Accounting, Data Analysis, Product Marketing, Brand Marketing, Project Management
- **Technologies:** AWS | Google Cloud | MySQL | GitHub | VS Code | Java | C++ | Python | SQL | Microsoft Office (Excel, PowerPoint)
- **Languages:** English (C1 Advanced), Spanish (Native), Chinese (Native)

Work Experience

Research & Development Engineer Intern   ITI (Investigate To Innovate)   06/2023 – 08/2023

- Developed a human identification algorithm using an **AI** detection model (YOLO), ROS and **C++** into an autonomous TIAGo robot.
- Participated in weekly meetings with teammates and clients to discuss project progress and workflow.
- Optimised detection accuracy by 30% by simulating real life environments using rosbag and rviz to conduct experimental tests.
- Presented final project demo, analysis report and algorithm development to 10+ engineers, clients and PMs.

Secretary   Luwen Ye SL   03/2020 – 07/2021

- Monitored inventory, implemented tracking systems, and reduced stockouts by 20%.
- Calculated monthly benefits, implemented tracking systems, and provided accurate reports for strategic decision-making.
- Set prices, managed costs, and achieved a 15% reduction, contributing to improved profitability.
- Devoted to organizing documentation for labor management, payrolls, billing and sales.

Projects

Stocks Analytics   2024

- Created a stock market **data analysis** app and designed a commercial website for product demo and performance report.
- Increased data sorting efficiency by using **Python** and PySpark from 3 large datasets (150GB).
- Deployed software on **Google Cloud** with Dataproc clusters for a cohesive and scalable solution.

GetPizza Application   2023

- Developed a food delivery app using **Java**, HTML and Redis NoSQL database for user and order storage.
- Led team workflow and coordinated tasks among teammates to meet deadlines using GanttProject.
- Organized weekly meetings to discuss work in progress and analyse product results.
- Created Software Requirements Specification (SRS) and UML diagrams for client documentation.

Education

Bachelor of Computer Science   Universidad Complutense de Madrid   Graduating May 2025

- **Coursework**: Artificial Intelligence, Cloud & Big Data, Blockchain, Cybersecurity, Data Structures & Algorithms, Scripting & Programming
- **Skill Certificates**: Networking, Personal Branding, Time Management
- **Honors**: achieved excellent academic performance (MH) in Calculus (9,5) and Computer Structures (10)
- **Academic Excellence Scholarship:** awarded scholarship for outstanding academic performance

Leadership

- **Content Creator:** managed a YouTube channel with 13k+ subscribers about Tech life, University & Career Advice
- **University Mentor:** helped and provided guidance to freshmen computer science students as a mentor during their first term
- **MUN Delegate:** represented and defended a country's position and interests at the United Nations Development Programme
- **Madrid In Game Hackathon:** led a 2D puzzle game project in a 5-member team at a Hack Jam under 48 hours