Leon La Marca

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Österreich / Italien | 31.01.2003 | Männlich

Objective

To leverage extensive experience in software development, particularly in Python and Quantum Computing, to solve complex problems in a professional setting, while continuing to deepen my expertise in physics and cryptography.

Education

Bachelor of Science in Physics
University Wien, Wien
Expected Graduation: July 2025

Bachelor of Science in Astronomy and Philosophy
University Wien, Wien
Expected Graduation: July 2024

Matura
Gymnasium Ort Gmunden, Gmunden
2009 - 2021

Technical Skills

Languages: Python (Advanced)
Tools & Technologies: IBM Quantum, QSKIT, AES-256 Encryption, AWS, Telegram API
Frameworks/Platforms: GitHub, Custom GPT Models
Areas of Expertise: Quantum Computing, Cryptography, Automation, Data Extraction

Professional Experience

Freelance Developer
Self-Employed
2021 - Present
- Quantum Key Distribution Software: Developed software for academic use in Quantum Cryptography, preparing for bachelor thesis.
- Classical Cryptography Messenger: Implemented a secure communication tool using AES-256 bit encryption.
- Amazon Business Automation: Designed and licensed automation software, improving workflow efficiency by automating data extraction from PDFs and formatting into Excel.

- Telegram Chat Bot: Developed a chat bot to automate responses and manage communications.

Projects

Quantum Computing Simulations
- Conducted complex quantum simulations to test physical laws and Bell Equations, enhancing understanding of quantum mechanics.
- Developed an API-driven time-tracking system for IBM quantum jobs, enhancing process efficiency and learning API integration.

StreetArt Scanner (Blockchain Conference Project)
- Collaborated in a team to develop a blockchain-based application that rewarded users for physical activity, similar to 'SWEAT COIN'.

Professional Development

- Participated in AWS Workshops and various coding conferences to enhance skills.
- Regularly use project-based coding practices, online courses, and academic studies to stay current with technological advancements.

Additional Skills

Languages: German (Native C2), English (Fluent B2), French (B1-B2), Latin (B1), Italian (B2), Portuguese (B1)
Soft Skills: Solution-oriented, team player, highly adaptable to new challenges, effective presenter and communicator.

Interests

Exploring the intersection of physics, mathematics, philosophy, and technology through practical applications in coding. Engaging with cutting-edge technology and like-minded professionals to push the boundaries of what's possible in both academic and business settings.