Luis Coronel

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Education

Washington and Lee University (W&L)

Bachelor of Arts, Computer Science — Lexington, VA

Bachelor of Science, Business Administration — May 2027

- GPA: 3.56
- Relevant Courses: Computer Organization, Discrete Mathematics, Ethical Hacking, Fundamentals of Programming II: Data Structures, Linux System Design, Engineering Open-Source Tools for Linux, Calculus II, Intro to Econ, Fundamentals of Business Analytics, Managerial Finance, Corporate Financial Reporting
- Activities: GenTech (Social Media Chair), W&L Cybersecurity (CTF, Cryptography, Penetration testing) …

Lincoln International Academy — Managua, Nicaragua

- Activities: Honor Council, Varsity Soccer, NHS, MU Alpha Theta — 2019-2023

Relevant Experience

Developer / Linux System Design & Open-Source Tool Development — September 2023- Present

Washington and Lee University — Lexington, Va

- Conducting independent research on Linux system design and open-source tool engineering
- Built a custom Linux system using Linux From Scratch (LFS) and Beyond Linux From Scratch (BLFS), gaining experience in kernel development and system configuration
- Collaborating on the development of a package manager for a Linux distribution for Washington and Lee University, focusing on dependency management, automation, and repository design

Summer Research Assistant / Research Intern — June 2024 – September 2024

Washington and Lee University — Lexington, Va

- Conducted hydrogeochemical research on arsenic contamination in the Ganges River, using Python and PHREEQC to analyze groundwater samples and model arsenic mobilization processes.
- Developed a computational approach to optimize data storage and analysis, collaborating with a research team to interpret findings, troubleshoot data inconsistencies, and enhanced decision-making and teamwork skills.
- Presented research findings at the Geological Society of America (GSA).

Intern — September 2021- December 2021

Spanish Cooperation Agency (AECID) — Managua, Nicaragua

- Collaborated with project managers to define file structures and classification requirements for various projects.
- Encoded and classified project documents into electronic files according to predefined structures, ensuring accurate archiving and accessibility
- Digitized and structured project files, enhanced accessibility and compliance with documentation standards.

Other Experience

Barista — September 2023 - Present

Café 77 — Lexington, VA

- Dedicating 9+ hours per week while balancing academic and research commitments.
- Prepare a variety of coffee beverages with precision, maintaining high-quality standards.

Skills, Honors, and Interests

Skills: Python, C++, C, CSS, HTML, JavaScript, Git, Linux, Visual Studio, LaTeX, Adobe Photoshop, Adobe Premiere Pro, Excel, Communication, Problem-Solving, Teamwork, Autopsy, Wireshark, Ghidra,

Languages: Spanish and English

Interests: Security & Systems (Ethical Hacking, Open-Source Development, System Administration), Financial Analysis, Business Strategy, Machine Learning, Video Editing, Software Development.