JOSE SEQUEIRA

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EDUCATION

Key Courses: Intro to program design, Intro to Software Engineering, Discrete Math, Multivariable Calculus, Design of Logic Circuits, Statistical Methods and Motivations.

University of Kentucky | Lexington, KY
B.S. Computer Science | May 2026 | 4.0 GPA
Minors: Statistics and Mathematics

PROFESSIONAL EXPERIENCE

University of Kentucky- **Data Analyst Research Assistant**   August 2023 – Present
- Conducted data cleaning and error correction processes to mitigate systematic uncertainty in a year's worth of climate change data collected from 20 tree populations in Costa Rica.
- Utilized data analysis tools (R, Python, and Excel) to clean, preprocess, and analyze datasets.
- Utilized Python with pandas to gain comprehensive insights into the data.
- Leveraged R packages to implement advanced computational techniques for identifying and correcting potential sources of systematic uncertainty within the data.
- Identified areas for data quality improvement and participated in discussions to refine data collection methods, demonstrating a strong problem-solving and analytical mindset.
- Collaborated effectively within a team environment, fostering cooperation and knowledge exchange to achieve project objectives.

ERP Consulting Group, San Jose, Costa Rica   May 2023 – August 2023
Software Engineering Intern- Full-Stack Web Development and Database Management
- Developed a web app using MySQL (database), Java (server), and XHTML and JSF (front-end).
- Designed and executed MySQL schema for optimal data storage and retrieval.
- Executed Java-based data logic with a focus on object-oriented processing.
- Linked front-end and back-end via JSF for dynamic user interactions and content rendering.
- Collaborated with a team of developers, actively participating in code reviews, debugging, and troubleshooting to ensure code quality and system reliability.
- Worked closely with stakeholders to gather requirements and translate them into technical specifications, ensuring alignment between business needs and technical implementation.
- Demonstrated strong problem-solving skills, resolving complex technical challenges and proposing innovative solutions.

University of Kentucky- **Desktop Support Specialist**   August 2022 – Present
- Provided technical support and troubleshooting for university staff and faculty, resolving hardware and software issues efficiently and effectively.
- Installed, configured, and maintained desktop systems, and software for peak performance.
- Managed system upgrades for university desktops, prioritizing compatibility and security.
- Managed and maintained an inventory of hardware and software assets, ensuring accurate records and timely procurement of necessary resources.
- Demonstrated excellent customer service skills, providing friendly and professional assistance to users while maintaining a high level of customer satisfaction.

SKILLS

Python, R, C++, Java, MySQL, HTML, CSS, Java Server Faces (JSF), Excel, Google Sheets, Git

PROJECTS, CERTIFICATIONS AND EXTRACURRICULARS (josesequeira.com)

- **Projects:** Quizlet++ (C++, Java, MySql)
- **Certifications:** Google Data Analytics Certificate, Mathematical Thinking in Computer Science, Introduction to Java and OOP.
- **Extracurriculars:** Junior Tennis Player (National Champion and top 2000 globally), Model United Nations (Outstanding Delegate-USA-Security Council).