JOSE SEQUEIRA

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EDUCATION

University of Kentucky	**Lexington, KY**
Bachelor of Science in Computer Science	*May 2025*
Minors in Statistics and Mathematics	*GPA: 4.0*

Relevant Coursework: Mathematical Intro to Deep Learning, Algorithm Design/Analysis, Discrete Math, Systems Programming, Intro to Software Engineering, Introductory Probability, Matrix Algebra, Statistical Methods and Motivations

PROFESSIONAL EXPERIENCE

University of Kentucky- Neural Interfaces and Signal Processing Lab *Jan 2024- Present*
Machine Learning Research Assistant
- Participating in structured learning experiences and courses to deepen understanding of machine learning concepts, applications, and concurrently gaining proficiency in fundamental tools and technologies.

University of Kentucky- Department of Forestry and Natural Resources
Data Analysis Research Assistant *August 2023 – Jan 2024*
- 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 and Excel) to clean, preprocess, and analyze datasets.
- 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.

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.
- Linked front-end and back-end via JSF for dynamic user interactions and content rendering.
- Worked closely with stakeholders to gather requirements and translate them into technical specifications, ensuring alignment between business needs and technical implementation.

University of Kentucky- College of Arts and Sciences *August 2022 – Present*
Desktop Support Specialist
- Provided technical support and troubleshooting for university staff and faculty.
- Managed and maintained an inventory of hardware and software assets.
- Demonstrated excellent customer service skills.

SKILLS AND INTERESTS

Machine Learning: Python, R, Keras, Numpy, Neural Networks and Deep Learning
Data Science: Python, Pandas, Numpy, Matplotlib, mySQL
Software Engineering: Java, C++, Python, Git, Java Server Faces, HTML, CSS, mySQL

PROJECTS, CERTIFICATIONS AND EXTRACURRICULARS (josesequeira.com)

- **Projects:** Quizlet++ (C++, Java, MySql)
- **Certifications:** Machine Learning Specialization by Stanford and DeepLearning.AI, 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).