Jose Castillo Lee

📞 818-617-4824   ✉ jose-leandre.castillo-lee.895@my.csun.edu   in linkedin.com/joselclee   ⚪ github.com/joselclee

Education

California State University, Northridge   May 2025
Bachelor of Science in Computer Science   *Northridge, CA*
- **Relevant Coursework in** Data Structures, Algorithm Design and Analysis, Software Engineering, Networks & Security, Computer Architecture and Hardware

Experience

California State University, Northridge   Sep 2023 – Present
Student Supervisor   *Northridge, CA*
- Assist students, staff and faculty daily with printing and common computer troubleshooting.
- Regularly maintain 7 workstation printers with ink and printer refills and troubleshoot jams and technical errors.
- Train and supervise several student workers during hours

Entertainment Partners   Jun 2024 – Aug 2024
Software Engineer Intern   *Burbank, CA*
- Collaborated with software engineering managers to design, develop, deploy, and maintain a desktop and web application for a complex Spring REST API engine, increasing use case efficiency by 85% and reducing time to production by over 37% resulting in cost savings of $88,000.
- Implemented CI/CD with Jenkins and Spinnaker to optimize time spent on project.
- Performed unit tests and data validation and advised back end engineers on augmenting existing endpoints for better performance reducing development time by 11%.

Los Angeles County Museum of Art   Sep 2022 – Mar 2023
Software Intern   *Los Angeles, CA*
- Implemented a dashboard to track detailed activity across thousands of work orders reducing costs by 20%.
- Migrated help desk software for LACMA to efficiently schedule maintenance in order to maintain a 100% response rate for undertaking system critical tasks.
- Created extensive documentation and instruction for system administrators on migrated software and solutions to common problems and tasks.

Projects

Spotify Remix - Recommender System | *Python, NumPy, Pandas, Django, Docker*
- Developed efficient data pipelines with Pandas, enhancing data transfer from Last.fm to a content based recommender model I designed using matrix factorization and cosine similarity.
- Utilised Spotify's Developer API to enhance song matching within the model, optimizing song recommendations.
- Worked on Figma for strategic UI/UX planning and executed the design using React.

Shakespeare NLP Model | *Python, NumPy, NLTK*
- Trained a natural language processing model on 40,000 lines of Shakespeare's texts.
- Utilized Term Frequency-Inverse Document Frequency to vectorize the user's input and uses cosine similarity to generate a cohesive response from the dataset.

Skincare Ecommerce | *React.js, Bootstrap, Spring Boot, Stripe, Axios, MongoDB*
- Led the development of a fully responsive fullstack website revolving around skincare products.
- Site employs a REST API and a Mongo database in order to efficiently display 1100 items reducing load on the client's machine.
- Spring security and safe handling of client data via Stripe and server-side encryption.

Technical Skills

Languages: C++, Java, JavaScript, Python, SQL, Golang
Technologies: Git, React, Electron, Node.js, Spring Boot, Bootstrap, Axios, MongoDB, DB2, DBeaver, Google Cloud, Pandas, TensorFlow, APIs, AWS, Jira, Jenkins, Docker
Concepts: Compiler, Operating System, Encryption, Decryption, Artificial Intelligence, Machine Learning, Databases, Data Analysis, CI/CD, Neural Networks, API, Cloud Computing, Software Development, Scrum and Agile techniques