

Jose Castillo Lee

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Education

California State University, Northridge

Bachelor of Science in Computer Science

Expected May 2025

Northridge, CA

- **Relevant Coursework:** Data Structures and Algorithms, Software Engineering, Networks & Security, Probability & Statistics, Linear Algebra, Computer Architecture and Hardware

Experience

Los Angeles County Museum of Art

Computerized Maintenance Management Software Intern

Sep 2022 – Mar 2023

Los Angeles, CA

- Implemented a dashboard to track detailed activity across thousands of work orders pinpointing costs resulting in a 20% reduction.
- Migrated help desk software for LACMA to efficiently schedule maintenance resulting in a 100% success rate for critical tasks.
- Wrote documentation and instruction for migrated software and solutions to common problems and tasks.

California State University, Northridge

Student Assistant

Sep 2023 – Present

Northridge, CA

- Assist, on average, 50 patrons daily with printing and common computer troubleshooting.
- Regularly maintain 7 workstation printers including ink, toner, and printer refills.

Glendale Community College

Tutor

Sep 2021 - Sep 2023

Glendale, CA

- Tutor, on average, 5 college students one on one daily on STEM subjects including Calculus, Statistics, Java, C++, and MATLAB programming resulting in a 100% pass rate for tutored students.

Projects

Shakespeare NLP Model | Python, NumPy, NLTK

- Trained a simple 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.

Drawn Digits Identifier | Python, TensorFlow

- Trained a simple convolutional neural network on MNIST's dataset of handwritten digits to a loss of 0.3066.
- Identification accuracy reached 97% when tested against MNIST's test set.
- Real world simulation identified 60% of 18 user-generated drawings.

Personal Website | React.js, Bootstrap,

- Created a personal webapp in HTML, JavaScript, and CSS using React.js. and used Bootstrap to increase productivity by 50%.
- Utilised Netlify and GitHub pages to host separate versions for reliability. resulting in 100% website up time.

Full Stack Web Application | React.js, Spring Boot, Axios, MongoDB, Bootstrap, Postman

- Implemented a robust RESTful API for seamless data communication.
- Movie data stored with MongoDB using JSON files and controlled by a Maven application while ensuring data security and access control.

Technical Skills

Languages: C++, Java, JavaScript, Python

Technologies: Git, React, Node.js, Spring Boot, TensorFlow, PyTorch, Bootstrap, Axios, MongoDB, Google Cloud, AWS, Jupyter

Concepts: Compiler, Operating System, Virtual Memory, Cache Memory, Encryption, Decryption, Artificial Intelligence, Machine Learning, Neural Networks, API, Agile Methodology, Cloud Computing