# Jose Castillo Lee

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

## Education

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

## Experience

**Los Angeles County Museum of Art** — Sep 2022 – Mar 2023
*Computerized Maintenance Management Software Intern* — *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 achieving a 100% success rate for undertaking system critical tasks.
- Wrote documentation and instruction for 4 system admins on migrated software and solutions to common problems and tasks.

**California State University, Northridge** — Sep 2023 – Present
*Student Assistant* — *Northridge, CA*
- Assist, on average, 50 patrons daily with printing and common computer troubleshooting.
- Regularly maintain 7 workstation printers with ink and printer refills and troubleshoot jams and technical errors.

**Glendale Community College** — Sep 2021 - Sep 2023
*Tutor* — *Glendale, CA*
- Tutor, on average, 5 college students one on one daily on STEM subjects including Calculus, Statistics, Java, C++, and MATLAB programming.

## Projects

**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.

**Drawn Digits Identifier** | *Python, TensorFlow*
- Trained a 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.

**Skincare Ecommerce** | *React.js, Bootstrap, Spring Boot, Stripe, Axios, MongoDB*
- Engineered a fully responsive fullstack website revolving around skincare products.
- Site employs a RESTful 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.

**The Movie Buff — Full Stack Web App** | *React.js, Spring Boot, Axios, MongoDB, Bootstrap*
- Implemented a robust RESTful API for seamless data communication between user created reviews and the database.
- 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, Jira, Docker, Kubernetes
**Concepts**: Compiler, Operating System, Virtual Memory, Cache Memory, Encryption, Decryption, Artificial Intelligence, Machine Learning, CI/CD, Neural Networks, API, Agile Methodology, Cloud Computing, Software Development