

# Kevin Jijon

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## SUMMARY

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Curious embedded software engineer proficient in C/C++ and Python, passionate about exploring new technologies and contributing to open-source projects. Thrives in safety-minded, cross-functional teams and takes pride in turning complex challenges into reliable solutions.

## EDUCATION

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**Associates of Science in Computer Science**, Santa Monica College | Santa Monica, CA AUG 2022 - June 2025  
**Bachelor's of Science in Computer Science**, Cal State University Long Beach | Long Beach, CA June 2025 - Present

## SKILLS & CERTIFICATIONS

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**Programming Languages:** C++, C, Python, Rust, Java, Javascript, SQL

**Tools and Technologies:** Node.js, React, Mocha.js, Chai, PyTorch, Scikit-learn, Docker, Git

**Machine Learning:** Supervised and Unsupervised Learning, Model Evaluation, Natural Language Processing

## EXPERIENCE

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**Software Engineer Intern CodeDay** | Remote, CA June 2025 - Present  
*Dagster*

- Contributed to the Dagster **data-pipelines** codebase by implementing support for Python's `Annotated` types
- Wrote and integrated a suite of unit tests into the project's CI workflow, increasing coverage by **20%**.

**Student Mentor and Research Assistant** | Los Angeles, CA Sep 2023 - June 2025  
*USC Student Engagement, Exploration and Development (SEEDS) Program*

- Provided culturally responsive teaching to 15 sessions with 50+ middle school students to improve their academic progress
- Demonstrated exceptional teamwork and intercultural **leadership** by supporting the research study and co-designing the curriculum with a diverse team of 40 members, enhancing the program's inclusivity and effectiveness.

**Software Engineer Micro-Intern CodeDay** | Remote Jan 2025 - March 2025  
*Open Energy Dashboard (OED)*

- Contributed to an open-source energy visualization platform, that helps organizations analyze energy consumption, by enhancing state management and UI customization using **React**, **TypeScript**, and **JavaScript**.
- Implemented a feature to convert energy readings (kWh) to carbon emissions (kg CO<sub>2</sub>) to enhance sustainability analytics serving 200+ organization dashboards
- Developed a comprehensive test suite using **Mocha.js** and **Chai** to validate unit conversions, ensuring data accuracy and reliability.

**Signal Processing Intern** | Remote June 2024 - Dec 2024  
*Think Neuro, Inc.*

- Conducted AI-driven bibliometric analysis on Brain-Computer Interface (BCI) research using R programming.
- Developed and presented presentations showcasing how AI models like **convolutional neural networks** and **decision trees** enhance BCI performance, improving signal clarity and intent detection.

**Artificial Intelligence Los Angeles (AILA) Intern** | Los Angeles, CA Jan 2024 - Dec 2024  
*Providence Hospital*

- Developed AI-driven solutions to enhance patient care and data management systems.
- Optimized medical data analysis workflows, developing dashboards that enabled real-time monitoring of patient metrics.
- Assisted in troubleshooting hospital computing systems to improve operational efficiency.

## PROJECTS

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**Predictive Analytics for Heart Disease** | Personal Project Sep 2023 - Dec 2023

- Engineered a machine learning model to predict the occurrence of heart disease using a Kaggle dataset.
- Applied **Python**, **scikit-learn**, and **Pandas** for feature selection, model training, and evaluation.