

Johnny Haro

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 [LinkedIn](#)

Education

Santa Monica College, CA Associate's Degree in Computer Science (GPA: 3.786) Sep 2021 – Dec 2025

AI Club, STEM/MÁS Program, Dual Enrollment throughout High School & University

Culver City High School, Culver City, CA High School Diploma (GPA: 3.7) Sep 2017 – Jun 2021

State Seal of Biliteracy, AVID, AP Computer Science, YMCA Youth and Government, Honor Roll

Relevant Coursework

Data Structures with Java, Advanced Java Programming, C++ Programming, Internet Programming (HTML, CSS, JavaScript)

Operating Systems, Assembly Language Programming, Computer Systems and Architecture

Discrete Mathematics, Programming Abstractions (Python), Beginning Programming in Python

Technical Skills

Programming Languages: Python, Java, C++, HTML, CSS, JavaScript, C, SQL, Assembly (MIPS)

Machine Learning Frameworks & Tools: TensorFlow, scikit-learn, Pandas, NumPy

Tools & Platforms: ServiceNow, Intune, Active Directory, Microsoft Office, Imaging Tools

Areas of Expertise: Programming, Technical Support, Hardware Repair, Troubleshooting

Work Experience

Administrative Intern — *City of Santa Monica — Information Services Department (ISD)* Jan 2025 – Present

Supported departments at City Hall and all Santa Monica Library branches

Updated databases, resolved hardware issues, and maintained networking infrastructure including firmware updates on Crestron devices

Replaced desktops, performed hardware installation, and provided remote and in-person technical support

Client Services Technician Intern — *City of Santa Monica — ISD*

Jun 2024 – Oct 2024

Diagnosed and repaired devices during 2024 CrowdStrike incident

Provisioned and imaged laptops for use across city departments

Replaced hardware, provided technical support, and resolved issues

Desktop Technician (Contract) — *The Aerospace Corporation (via Disys/Dexian)*

May 2023 – Sep 2023

Managed ServiceNow Break/Fix tickets for end-users

Imaged and repaired laptops, ordered parts, and installed peripherals

Obtained DoD DBIDS clearance to support the Los Angeles Air Force Base

Projects & Research

Static Friction Coefficient Predictor (Independent ML Research)

Oct. 2024 – Dec. 2024

Designed and implemented a machine learning model using scikit-learn, evaluating static friction coefficients for diverse material pairs, with a 12.2% error rate

Optimized model performance through advanced feature engineering and hyperparameter tuning, reducing prediction errors by addressing data discrepancies and enhancing regression algorithm efficiency

Leveraged TensorFlow and Python for end-to-end development, including data preprocessing, statistical analysis, and model evaluation, resulting in improved predictive accuracy and insights

Applied machine learning algorithms with focus on software design patterns and model evaluation metrics

Awards and Leadership

California State Seal of Biliteracy

Jun 2021

Entry Level Programmer Certification — **Santa Monica College**

Sep 2024

Professional Involvement and Volunteering

Member — *SMC AI Club*

Mar 2024 – Present

Attended workshops related to core concepts in machine learning, data science, and neural networks

Developed machine learning models to simulate data aligned with physics based mechanics principles

Participated in discussions on the ethical challenges and practical uses of AI across industries such as healthcare, education, and transportation

Reviewed AI research to deepen understanding of algorithms, model performance, and ethical considerations

Attended group lectures and Q&A sessions with industry professionals and university researchers

Implemented machine learning models to classify and visualize datasets using pandas and matplotlib