

HENRY MARTINEZ

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[Linkedin](#) | [Github](#) | [Website](#)

EDUCATION:

California State University, Northridge

Degree anticipated May 2025

Bachelor of Science in Computer Science, Minor in Data Science

Current GPA: 3.71

Honors | Dean's List: Fall 2021, Spring 2022

RELATED COURSEWORK:

Algorithms & Computer Programming, Data Structures & Program Design, Computer Architecture & Assembly Language, Linear Algebra, Calculus I & II, Physics: Mechanics

PROJECTS:

NASA Great Lunar Expedition for Everyone (GLEE)

October 2022 - Present

- Using NASA-funded equipment, students from around the globe will participate in learning and programming their own Lunasat, used to conduct research on the surface of the Moon. By the end of the mission, hundreds of Lunasats will be launched into space with student-built programs that are meant to study and research various topics of the Moon depending on team goals.

Convert and Encode Integers Web Application

October 2022 - Present

- Collaborating with multiple classmates under the guidance of Dr. Steven Fitzgerald, we are creating a web application for format encodings that will serve as an informative and useful way for students to learn an essential topic covered in COMP 122 (Computer Architecture and Assembly Language) for future and current classes, using HTML, CSS, JavaScript, React.js, and Bootstrap.

Web Scraping using Java and Related Libraries

September 2022 - Present

- Being interested in the topic of web scraping, I developed a program that will tell the user what the #1 Billboard 200 album was for their given birthday using year, month, and day input. Made with Apache Maven and Jsoup, the program returns the album name, artist name, and the number of weeks spent at #1, all scraped from Billboard's website.
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ORGANIZATIONS:

IEEE - Eta Kappa Nu

November 2022 - Present

- IEEE-HKN is the invite-only international honor society for Computer Science professionals and Institute of Electrical and Electronics Engineers (IEEE). Membership is a lifelong designation for individuals who have distinguished themselves as students or as professionals in electrical engineering, computer engineering, computer science, and other fields of IEEE interest.

Tau Beta Pi

November 2022 - Present

- Tau Beta Pi is the nation's second-oldest honor society, seeking distinguished scholarship and exemplary character from students in engineering, or by their attainments as alumni in the field of engineering, fostering a spirit of liberal culture in engineering colleges.
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SKILLS:

Languages: Java, Python, HTML, CSS, JavaScript, MIPS Assembly, Swift

Software: Github, Git, Microsoft Office, VSCode, Docker, Bootstrap

Interests: Full-stack Web Development, Data Science, Web Scraping, Artificial Intelligence, UI Design, Mechanical Engineering