# HENRY MARTINEZ

Northridge, CA 91325 | (818) 251-0772 | henry.martinez.713@my.csun.edu

https://www.linkedin.com/in/hnrymrtnz/ | https://github.com/hnrymrtnz | http://henrymartinez.me/

## EDUCATION:

**California State University, Northridge**                                           *Expected graduation May 2025*
Bachelor of Science in Computer Science, Minor in Data Science
Current GPA: 3.71
Honors Program | 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

## SKILLS:

**Languages**: Java | Python | HTML | CSS | JavaScript | MIPS Architecture
**Software**: Github | Git | Microsoft Office (Word, Excel, Powerpoint) | VSCode
**Interests**: Full-stack Web Development | Software Engineering | Data Science | Web Scraping | A.I. | UI Design

## PROJECTS:

**NASA Great Lunar Expedition for Everyone (GLEE)**                          *October 2022 - Present*
- Researched with a team of 6 students from 3 universities on a NASA-funded lunar project, with the goal of establishing a lunar mission for our Lunasat, a tiny programmable spacecraft.
- Programmed the Lunasat using C++ and the Arduino IDE, collecting temperature, magnetic field, and inertial measurements from the spacecraft's environment that will aid in conducting our lunar mission.

**Personal Website / Portfolio**                                                     *October 2022 - Present*
- Created a website from scratch using HTML and CSS, hosted by Github Pages and Jekyll, that showcases my skills, projects, coursework, resume, and contact resources.

**Convert and Encode Integers Web Application**                              *October 2022 - Present*
- Designed and developed a web application in an Agile environment with a group of 5 students using HTML, CSS, and JavaScript, to aid future students in understanding material for computer architecture classes, specifically format encodings and integer conversions.

**Web Scraping using Java and Related Libraries**                          *September 2022 - Present*
- Developed a web-scraping program using Java and Java libraries (Apache Maven and Jsoup) which tells the user which album and artist were at the top of the Billboard 200 chart for any given date and for how many weeks, using data from Billboard's website HTML.

**Object-oriented Programming / Data Structure Java Projects**                   *September 2022*
- Generated Java data structure classes/methods from scratch such as linked lists and binary tree ADTs that mimicked their Java library counterparts using object-oriented programming.
- Designed and implemented a Java program that converts user-generated music sheet text files into audio playback, utilizing OOP and data structures. Features include the ability to reverse, repeat, and adjust the tempo of the generated audio.

## ORGANIZATIONS & ACTIVITIES:

IEEE - Eta Kappa Nu  (Honor Society)                                        *November 2022 - Present*
Tau Beta Pi (Honor Society)                                                  *November 2022 - Present*
STEM Advantage Scholar Program                                               *December 2022 - Present*

## LANGUAGES

**English -** *Full Professional Proficiency* | **Spanish -** *Full Professional Proficiency*