

Diego Hernandez

(818) 200-6355 | diegohdze@gmail.com | <https://github.com/Dijuego> | www.linkedin.com/in/diego-hernandez-0b495620b

Education

California State University, Northridge | Northridge, CA

B.S. Computer Science | 05/2025

- Prominent coursework: Calculus 1 and 2, Linear Algebra, Probability and Statistics, Data Structures, Advanced Data Structures, Computer Architecture Assembly, Discrete Structures, Operating Systems, Software Engineering, Algorithm Design, Web Engineering, Human Computer Interaction, Database Design, Machine Learning, Advanced Web Engineering, Networks and Cybersecurity, Senior Design

Experience

Independently Contracted | Van Nuys, CA

Software Developer | 01/2023 - 04/2023

- Worked freelance for employees and contractors at an Engineering and Manufacturing Company.
- Collaborated with employees to create a product that required multiple versions until it satisfied their needs.
- Developed **Python** scripts to improve efficiency for workers by automating emails for CAD file review and approval.
- Leveraged **Python** to create a user friendly Ui that implemented **shell commands** to **reduce download/file transfer times** of large files by **40-60%**, saving employees **6-10 hours** on some instances.

Projects

Airline Ticketing (Software Engineering Class Project Fall 2023):

- Team lead on a class project creating an Airline ticketing application using **scrum** development methods.
- Features included: Generate reports for managers, email confirmation, reserve, cancel, review, and change tickets.
- Built with **Java** using **JSON** to store Flight and customer info locally.

Pick-Up (Ranked Basketball Matchmaking App) August 2024 - Present:

- Team Lead/Manager for year-long Senior Design Project
- Designed FrontEnd on **Figma** ensuring UI was direct and easy to understand.
- Created **REST API** to allow **React Native** Client to interface with the **Node.JS** backend and **AWS RDS Database**.
- Created a **Server-Side Event(SSE)** system to allow users to send each other requests.
- Features included: **Client/Server** structure, Profile Page, Friends List/Search, Match Feed/History, Elo Rating System
- Currently rebuilding server using **Python**, with hopes of later adding an Ai referee using the phones camera.

Multiple Websites (Web Engineering Class) 2024-2025:

- Timed Type Racer: Used **HTML**, **CSS**, and **JavaScript** to create functionality and Ui where Users see how fast they can finish typing a paragraph.
- CSUN Geo Guesser: Used **HTML**, **CSS**, **JavaScript**, and **Google Maps Api** to create functionality and Ui where users are asked to select the location of buildings found on the CSUN Campus.
- NBA Player Database: Deployed **ASP.NET Core Server**, **Microsoft Sql Server**, **Angular Client**. Allowed users to view and explore player and team data from 2020 NBA Season. Features included **Authentication** and **Authorization** via **JWT**, Database interfacing using **Entity Framework (ORM)**.
- IT Inventory Manager: Created an application that leveraged **JS** and **SQLite** to run locally. Features allowed users to create, view, and manage inventory.

Technical Skills

- Languages: Java, JavaScript, Python, HTML, CSS, SQL, C#, TypeScript
- Tools: Git, GitHub, VS code, Jira, Visual Studio, Figma, AutoCAD, SolidWorks
- Frameworks/Platforms: Node.JS, React Native, Express.JS, MySQL, SQLite, Google Maps, Angular, ASP.NET Core, AWS Client, EC2, RDS, Route 53, JWT