

Diego Hernandez

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Education

California State University, Northridge, BS in Computer Science August 2018 – May 2025

- **Coursework:** Calculus 1 & 2, Data Structures, Computer Architecture, Linear Algebra, Discrete Structure, Advanced Data Structures, Operating Systems, Software Engineering, Algorithm Design, Web Engineering 1 & 2, Human-Computer Interaction, Database Design, Networks and Security, Probability & Statistics, Senior Project

Experience

Software Engineer, Freelance – Remote January 2023 – May 2023

- Collaborated with employees and contractors at an engineering and manufacturing company to design a product that required multiple versions to satisfy their needs
- Developed Python scripts with user-friendly UI to automate the creation of CAD file review and approval reports and bypass file explorer to improve upload/download speeds of large files across a VPN, cutting time by 40-60% saving 10-14 hours on some instances

Awards/Certificates

29th Annual Student Research & Creative Works CSUNposium April 2025

SolidWorks Mechanical Design Associate Certificate December 2019

VEX Robotics VRC Competition Awards August 2014 - June 2018

- Programmer Award (2x), Skills State Qualification, Regional Champions, Build Award, State Championship Qualification (2x)

Projects

Airline Ticketing System github.com/Dijuego/Comp-380-Project

- Team lead/manager on a class group project tasked with creating an airline ticketing application in a scrum environment
- Features: Report generation and data dashboard, email confirmation, reserve seating, cancellation, and ticket modification
- Tools Used: Java, JavaFX, JSON, IntelliJ IDEA, Github

Pick-Up (Ranked Basketball App) github.com/Dijuego/comp490

- Developed REST API allowing React Native client to interface with server and database
- Features: Client/Server structure, profile page, friends list/search, match feed/history, ELO rating system, player honesty rating, inter-user interaction
- Tools Used: JavaScript, TypeScript, Node.js, React Native, Figma, Github, AWS EC2/RDS/Route53, MySQL, Caddy Server, Glitch

Multiple Websites 2024-2025

- Timed Type Racer, CSUN Campus Geo Guesser, 2020 NBA Post-Season Dashboard, IT Inventory Manager
- Tools Used: HTML, CSS, JavaScript, ASP.NET, Microsoft Sql Server, Angular, Entity Framework, JWT, SQLite, AWS EC2/RDS

Technologies

Languages: Java, C#, SQL, JavaScript, Python, HTML, CSS, TypeScript

Technologies: ASP.NET, Microsoft SQL Server, Git, VS Code, Jira, Visual Studio, Figma, AutoCAD, SolidWorks, Node.JS, React Native, MySQL, SQLite, Angular, AWS EC2/RDS/Route53