Mark Ryan Garcia

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EDUCATION

California State University, Fullerton — Aug 2022 – May 2026
B.S. in Computer Science, Minor in Mathematics — *GPA: 3.82*
- **Relevant Coursework:** Data Structures and Algorithms, Web Front-End Engineering, Web Back-End Engineering, File Structures & Database Systems, Operating Systems, Compilers, Computer Communications, Artificial Intelligence

EXPERIENCE

Software Engineer Intern — May 2025 – Aug 2025
Glenair, Inc. — *Anaheim, CA*
- Engineered a full-stack web application to generate Zebra printer label templates, printing approximately ~**600** labels per week, utilizing React, FastAPI, SQLAlchemy, SQL Server, Labelary API, and Zebra Printer Language
- Integrated inventory and job-order APIs to auto-populate part and job numbers into a custom Zebra label template, eliminating manual entry errors, guaranteeing **100%** audit-trail accuracy, and accelerating workflows
- Optimized Flask API endpoints by integrating MinIO storage buckets with SQL Server, reducing average file retrieval latency by an average of **60%** compared to retrieving raw binary files from SQL tables

Supplemental Instruction Leader — Jan 2024 – Dec 2025
California State University, Fullerton — *Fullerton, CA*
- Increased student grades and comprehension an average of **10%** by leading **120** peer-assisted study sessions across three semesters and developing targeted review materials that simplified key Calculus I and II concepts
- Utilized innovative teaching methods such as guided group discussions, collaborative problem-solving, and peer-to-peer interaction to create an engaging learning environment that reinforced foundational calculus topics

PROJECTS

Sudoku Visualizer | *React, Typescript, Tailwind CSS* — Dec 2025
- Built an interactive Sudoku solver and visualizer, displaying step by step solving decisions in real time
- Implemented multiple solving strategies including backtracking, backtracking with forward checking and MRV heuristics, and an emulatoin of a human style approach to solving a sudoku puzzle

Endless Vertical Platformer | *C#, Unity* — Feb 2025 – Mar 2025
- Designed and led a Unity workshop where over **20** students learned how to build an endless platforming game
- Demonstrated core game mechanics such as jump physics, player input, platform spawning, and collision handling
- Published starter assets such as sprites and C# Scripts to help students follow along and add to the game

Marktris | *Godot Engine, GDScript, Vercel* — Jan 2024 – Mar 2024
- Built a fully playable Tetris game using the Godot Engine and GDScript, implementing modern gameplay features including collision detection and the Super Rotation System (SRS) for piece movement and rotation
- Deployed the game to the web using Godot's Web Export Tool and Vercel for easy access and sharing

EXTRACURRICULAR

Association for Computing Machinery (ACM) | *Club President, Board Officer* — Aug 2022 – Present
- Lead the largest tech student organization at CSUF with over **2,500** members and ~**55** officers across 10 branches
- Supported ACM's community growth by serving as the Marketing Team Lead, a GameDev Officer, and Node Buds Big, managing social media presence, leading Unity workshops and mentoring new members

FullyHacks | *Co-Director, Marketing Team Lead* — Sep 2024 – Present
- Co-Direct FullyHacks 2026, CSUF's biggest hackathon, expecting **400+** participants, **30+** event organizers
- Doubled outreach from previous year and secured **$1,500** in new sponsorships for FullyHacks 2025

TECHNICAL SKILLS

Languages: Python, Javascript, Typescript, HTML/CSS, MySQL, C, C++, C#, R, MATLAB
Frameworks/Tools: React, React Native Expo, Svelte, Node.js, Firestore, Amazon S3, FastAPI, Flask, Material-UI, MinIO, Docker, Unity, Linux, Figma