CHRISTOPHER REBOLLAR-RAMIREZ

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EDUCATION

University of California San Diego   **La Jolla, California**
Bachelor of Science in Mathematics & Computer Science   *Expected Graduation, June 2026*
- **Related Coursework:** Advanced Data Structures in C++, Algorithm Design & Analysis, Discrete Structures, Software Engineering

Bachelor of Science in Cognitive Science with a Specialization in Machine Learning and Neural Computation
- **Related Coursework:** Supervised Machine Learning Algorithms, Machine Learning in Practice using Python, Practical Data Science with Python

SKILLS

Programming: C++ | Python | Java | HTML, CSS, and JavaScript | TypeScript | Swift
Developer Resources: GDB Debugger | JDB Debugger | Valgrind | GPROF | Github | React.js | Node.js | React Native | DynamoDB | MongoDB | SQL | AWS | Docker
Platforms: Linux, MacOS, Windows
Professional Skills: Communication | Adaptability | Time Management | Attention to Detail | Critical Thinking | Teamwork
IT-Related: PC Core Hardware A+ Cert and PC Operating System A+ Cert, Network Fundamentals

Experience

JMG Landscape   **San Diego, California**
App Developer Intern   *Jun 2024 – Sept 2024*
- Co-developed and deployed JMGWorkScape, an iOS app using **Swift** and **SwiftUI**.
- Pioneered a Trie-based search feature that revolutionized search efficiency, cutting retrieval times by **50%**.
- Created a **PDF invoice generator** feature, reducing billing time by **70%** and increasing client satisfaction by **15%**.
- Developed a routing feature that optimized service team schedules, reducing travel time by **30%** and enabling **15%** more tasks to be completed daily.
- Researched App Store deployment and applied for the Apple Developer Program.
- Coordinated bi-weekly meetings to achieve **5 key milestones** on schedule, enhancing project efficiency by **20%**.

Projects

DayByDay Full-Stack Web App   **San Diego, California**
Solo Project   *Jul 2024 – Oct 2024*
- Developed a responsive frontend with **React.js**, achieving **20%** faster load times and a **15%** increase in daily task management usage.
- Built a robust backend using **Python Django** and **AWS DynamoDB**, supporting **20+** active users daily with **30%** more efficient data handling and storage.
- Implemented secure **user authentication** with Django and **JWT tokens**, achieving a **99%** login success rate and minimal unauthorized access.
- Integrated **OpenAI API** and **WebSockets** for a real-time chatbot, boosting productivity by **25%** and improving user retention by **10%**.
- Conducted **unit testing**, achieving **95%** code coverage and identifying **20%** more bugs, resulting in a **30%** reduction in post-deployment issues.

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

SkillsUSA Competitions   **Los Angeles, California**
Competitor/Mentor   *January 2019*
- Competed using C++, placing **3rd** among **20 participants** at the regional and state levels, demonstrating proficiency in program design and problem-solving.