

JOEL DANIEL RICO

Walnut, CA

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CAREER OBJECTIVE

Aspiring Software Engineer with a passion for problem-solving and solution-based programming. Strong work ethic with proficiency in communication in team-based environments.

EDUCATION

B.S. Computer Science

California State University, Fullerton, Fullerton, CA

Expected Graduation: **May 2025**

GPA: **3.48 / 4.0**

TECHNICAL SKILLS

- Programming Languages: Java, C++, Python, JavaScript
- Technology: Git, Visual Studio Code, JetBrains IDEs, Googling
- Database Systems: SQLite3, PostgreSQL

PROJECTS

Discord Bot 1

May 2022 - Present

- Utilize Google Apps Script API to translate user messages
- Implement Spotify API to request album, artist, and playlist info
- Allow for streaming of music from multiple sources (YouTube, Spotify, Apple Music, SoundCloud)
- Maintain user currency and settings with SQLite3
- Include cases of input sanitization/validation and exception handling
- Use Git for version control

Discord Bot 2

November 2022 - Present

- Allow for users to set notification phrases and be reminded upon phrase being sent
- In active use in community of over 1000 members
- Collaborative effort within CSUF ACM chapter
- Utilize prepared statements in front-facing user interactions to prevent possible SQL injection attacks
- Database development uses PostgreSQL and ElephantSQL to store user settings

Canvas-Discord Integration

September 2022 - Present

- Synchronize with Canvas through CanvasAPI to provide up-to-date class information to users
- Collaboration effort with two additional students from CSUF ACM chapter
- Store API keys, user IDs, and linked courses using SQLite3
- Utilize Git for version control
- Use various functions to interface with Canvas and pull user data (classes, assignments, student information)

Blackjack Clone

March 2022 – April 2022

- Persistent currency system
- Later implemented into Discord Bot 1

EXTRACURRICULAR

ASSOCIATION FOR COMPUTING MACHINERY (ACM) | Member

August 2022 - Present

- Involved in production and design of various Club projects