

JOEL DANIEL RICO

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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 Expected Graduation: **May 2025**
California State University, Fullerton, Fullerton, CA GPA: **3.48 / 4.0**

TECHNICAL SKILLS

- **Languages:** Java, C++, Python, JavaScript, HTML, CSS
- **Technology:** Git, REST API, Flask, Docker, Googling
- **Database Systems:** PostgreSQL, SQLite3

PROJECTS

Discord Bot 1 May 2022 - Present

- Utilizes Google Apps Script API to translate user messages
- Implements Spotify API to request album, artist, and playlist info
- Allows for streaming of music from multiple sources (YouTube, Spotify, Apple Music, SoundCloud)
- Database development uses PostgreSQL and ElephantSQL to store user settings
- Deployed with Docker

Discord Bot 2 November 2022 - Present

- Allows 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
- Utilizes prepared statements in front-facing user interactions to prevent possible SQL injection attacks
- Database development uses PostgreSQL and ElephantSQL to store user settings

Genius Python API Wrapper December 2022 - Present

- Utilizes Requests HTTP library to communicate with Genius REST API
- Scrapes Genius website to parse song lyrics using BeautifulSoup
- Currently maintained and hosts active releases on Python Package Index (PyPi)
- Uses GitHub workflows to push releases to PyPi

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
- Provided technical assistance to numerous members