

# JOEL DANIEL RICO



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[github.com/jjoeldaniel](https://github.com/jjoeldaniel)

## CAREER OBJECTIVE

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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

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**B.S. Computer Science**

California State University, Fullerton, Fullerton, CA

Expected Graduation: **May 2025**

GPA: **3.48 / 4.0**

## TECHNICAL SKILLS

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- **Languages:** Java, C++, Python, JavaScript, HTML, CSS
- **Technology:** Git, REST API, Visual Studio Code, JetBrains IDEs, Googling
- **Database Systems:** SQLite3, PostgreSQL

## PROJECTS

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### 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)
- Maintains user currency and settings with SQLite3
- Includes cases of input sanitization/validation and exception handling
- Uses Git for version control

### 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
- 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

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### ASSOCIATION FOR COMPUTING MACHINERY (ACM) | Member

August 2022 - Present

- Involved in production and design of various Club projects
- Provided technical assistance to numerous members