

# JOEL DANIEL RICO

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## 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, Flask, Docker, Googling
- **Database Systems:** PostgreSQL, SQLite3

## PROJECTS

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### Trends Analyzer

**January 2022 - Present**

- Analyzes user messages and utilizes keyword extraction with KeyBERT to follow trends
- Collaborative effort within CSUF ACM chapter
- Utilizes fixed and rolling data structures to cache extracted data for user requests
- Outputs JSON file used in conjunction with GitHub actions to deliver content to ACM CSUF website

### Discord Bot

**May 2022 - Present**

- Allows for users to set notification phrases and be reminded upon phrase being sent
- Implements Spotify API to collect album, artist, and playlist info
- 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 using SQLite
- Later implemented into Discord Bot

## 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