

# Ryan Jewik

925-771-0326 | [ryanjewik25@gmail.com](mailto:ryanjewik25@gmail.com) | [linkedin.com/in/ryanjewik/](https://www.linkedin.com/in/ryanjewik/) | [github.com/ryanjewik](https://github.com/ryanjewik)

## EDUCATION

### Chapman University

*Bachelor of Science in Computer Science*

*Bachelor of Science in Data Science*

*Study Abroad at Temple University Japan*

Orange, CA

*Aug. 2021 – May. 2025*

*Aug. 2021 – May. 2025*

*Jan. 2024 – May. 2024*

## EXPERIENCE

### Software Engineer Intern

*uIdeasLab*

Sep. 2024 – May. 2025

*Orange, CA*

- Scraped, cleaned, and performed feature selection on app store reviews
- Combined with IOS app data with Google Play Store Android data for preliminary analysis
- Performed Sentiment Analysis on the combined data on Montessori Apps using Hugging Face

### Student Research Assistant

*Chapman University School of Pharmacy*

Sep 2024 – Mar. 2025

*Irvine, CA*

- Feature engineering, data wrangling, and cleaning on over 81 billion rows of health care data
- Employed numerous oversampling and undersampling techniques such as KNN, RUS, SMOTE, and GMMs to solve class imbalance problem in data
- Trained xgboost tree models to predict opioid related morbidity

### Project Engineering Intern

*L3 Harris*

May 2022 – Aug. 2022

*Anaheim, CA*

- Reviewed 40+ Request for Disposition (RFD) documents against customer contracts to determine eligibility for customer billing
- Administered Computer Software Components (CSCs) to address customer comments and integrate into delivery schedules
- Managed and maintained part configurations on power converter cabinets
- Performed 20+ investigations on engineering change requests

## PROJECTS

### VCT AI Chatbot App (<https://sabinechat.com/homepage>) | *Python, AWS EC2, React, Flask, CSS, Postgre, MongoDB*

- Built an AI chatbot tailored for VCT esports. Used augmented retrieval generation with data scraped online and extracted from S3 buckets. Also utilized parent document retrieval methods to enhance context and langchain threads for persistence.
- python backend and react frontend, Postgre SQL for user authentication and MongoDB for chat messages and document embeddings

### Pokemon Clone Task App (<https://github.com/ryanjewik/poketask>) | *Flutter, Dart, Supabase*

- Mobile app that uses tasks to progress collected pokemon and can battle other players
- implemented a Monte Carlo Tree Search for the AI opponent decision making
- used Flutter widgets to design pokedex inspired frontend with supabase as the storage

### Climbing App | *Python, Flask, HTML, CSS, MySQL*

- Created a climbing database that allows users to rate and search for different climbs. The database displays a leaderboard for users, top climbs, and can recommend a climb based on skill level and climb history.
- Designed UI and page layouts for the web application using HTML/CSS. Used SQLAlchemy API to interact with MySQL database.

## TECHNICAL SKILLS

**Programming Languages:** Java, Python, C++, JavaScript, HTML/CSS, SQL, Kotlin, Swift, Dart

**Developer Tools:** GitHub, Linux, Docker, Jenkins, EC2, Figma

**Certifications:** COMPTIA Security+ certified

## RELEVANT COURSEWORK

- Data Structures and Algorithms
- Database Management
- Data Science
- Android App Development
- Cybersecurity
- Statistical Models in Business
- IOS App Development
- Data Comms and Computer Networks
- Machine Learning
- Operating Systems
- Network Implementation
- Artificial Intelligence