

Ryan Jewik

925-771-0326 | ryanjewik25@gmail.com | <https://ryanhideo.dev/> | 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

Personal SMTP Server (<https://ryanhideosmtp.com>) | *Linux, React, TypeScript, Tailwind CSS, AWS Cloudwatch*

- A server used to manage email communications for my applications, secured with TLS encryption via Let's Encrypt, signed by OpenDKIM DKIM keys and configured with Postfix
- Integrates with my other applications such as contact forms, password resets, and logs with AWS Cloudwatch
- React pages served to handle Poketask email confirmation and password resets

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, AWS Certified Data Engineering Associate

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