

Ryan Trent

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PROJECTS

iOS Application – “Word Helper” | *Swift, SwiftUI*

July 2022 – Present

- Utilized new features of SwiftUI 3.0 to provide players of the online game “Wordle” with an easy way to find words that match their current game.
- Used the Datamuse API to query for words based on user input.
- Continued maintenance to introduce new features, fix occasional bugs, and support the latest usable version of iOS.

“Saint Luna” Website | *HTML/CSS, JavaScript, PHP*

May 2021 – Present

- Designed, developed, and launched a responsive website for a newly formed, local band.
- Implemented PHP to send emails when a user wants to send the band a message or purchase their merchandise.
- Continued maintenance to keep users notified about the band’s upcoming live shows, newly released music, and new merchandise offers.

iOS Runtime Modification – “Groups” | *Objective-C, UIKit, Theos*

March 2020 – Present

- Designed an intuitive method to allow users to organize conversations within the native iOS Messages application aimed to enhance user experience.
- Continued development up to ~9000 lines of code to introduce new features, fix occasional bugs, and support the latest usable version of iOS.
- Published program to websites resulting in 10K+ downloads.

TECHNICAL SKILLS

Languages: Swift, Objective-C, React, Next.js, TypeScript, Python, HTML/CSS, JavaScript, PHP, SQL

Developer Tools: Git

Technologies/Frameworks: SwiftUI, UIKit, Bootstrap, Tailwind CSS, WordPress, Selenium

EDUCATION

San Diego State University

August 2018 – May 2022

Bachelor of Science: Major in Information Systems

San Diego, CA

Honors: cum laude (GPA: 3.54/4.0)

RELEVANT COURSEWORK

- | | | |
|--------------------------------|--------------------------------|----------------------------------|
| • Object-Oriented Programming | • E-Business / Web Development | • Networks & Data Communications |
| • Information Systems Analysis | • Database Management Systems | • Cybersecurity Management |

EXPERIENCE

San Diego State University

January 2021 – May 2021

Teaching Assistant – Course: Business Applications Programming (Python)

San Diego, CA

- Evaluated and graded examinations, assignments, and presentations and recorded grades.
- Scheduled and maintained regular office hours to meet with students and assisted their learning of the course content.
- Assisted in preparing and proctoring examinations.
- Returned assignments to students in accordance with established deadlines.

Parking Company of America

Summers 2018, 2019

Valet Parking Attendant

Garden Grove, CA

- Created and implemented a new pre-payment system that improved efficiency of retrieval time by as much as 50%.
- Maintained clean and orderly parking areas to ensure that space usage was maximized.
- Built strong relationships with customers and coworkers through positive attitude and attentive response.
- Provided detailed and relevant information about Garden Grove and surrounding areas.

EXTRACURRICULAR

Sigma Alpha Epsilon Fraternity

September 2018 – Present

Member

Cal Theta Chapter, SDSU

- Assisted in fundraising efforts benefiting impoverished families in Tijuana, Mexico and endangered koalas in Australia.