Ronaldo Garcia

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Education

University of California, San Diego – B.S., Computer Science   Expected March 2023
- GPA: 3.4

Napa Valley College - A.S., Natural Science and Mathematics, Physics   August 2017 - June 2020

- GPA: 3.7

Experience

UC San Diego Early Research Scholars Program – Research Mentee   September 2020 – June 2021
- Worked on a research project, which focused on analyzing the difficulties of non-native speakers in computer science.
- Devopled Python solutions to the interview questions, which were given to UCSD participants to solve during the interview process of the research method.
- While more research is needed in the area, our results showed the need for more beginner-friendly official documentation and tech companies rethinking how they conduct their think-aloud interviews.
- Assessed and presented quantitative and qualitative analysis.

Personal Projects

Mary's Hair Cuts – (MERN) MongoDB, Express.js, React.js, Node.js | Live | Github   July 2022-Present
- Designed a webapp for my mother's hair salon with an appointment schedular feature to allow clients to book appointments.
- Developed a rest API using Express.js to connect to my MongoDB database to store appointments.
- Implemented i18next framework to make the site accessible to both Spanish and English clients.
- Utilized Twilio and EmailJS APIs to send SMS appointments confirmations and contact us emails.

ZooSeeker Android App - Java, Android Studio, GIT, Junit | Github   Spring 2022
- ZooSeeker is an Android app allowing users to determine the optimal route to visit their desired exhibits at the San Diego Zoo with the least walking possible.
- Implemented the database for the list of exhibits using RoomDatabase and the user interface of the list of exhibits.
- Deployed agile development principles into practice using GitHub and ZenHub in order to allow team of 6 programmers to effectively work together to develop application.
- Built unit, integration, and systems tests in Android Studio through JUnit, Espresso, and Robolectric.

Personalized Twitch Dashboard - Replit IDE, Next.js, React.js, Twitch API | Live | Github   Summer 2021
- Collaborated on a next.js web app that connects to the Twitch API and database to help a user track their favorite streamers.
- Developed a custom API utilizing Replit database to retrieve or insert or delete the twitch streamer data.
- Devised a custom grid to display all the streamer channels in a adequate manner.

Portfolio – React.js, Node.js | Live | Github   August 2022
- Built a portfolio to demonstrate my personal biography, projects, and skills.

Skills

Technical: Java, C++, C, JavaScript, Python, HTML, CSS, Android, Git, React.js, Node.js, Express.js, MongoDB
Languages: Spanish, English

Relevant Coursework

- Software Engineering
- Design and Analysis of Algorithms