Ryan Siu

ryansiu10@gmail.com | linkedin.com/in/ryansiu8833/ | github.com/ryansiu10 | 626.581.2434

EDUCATION

UNIVERSITY OF CALIFORNIA, SANTA BARBARA
B.S. in Computer Engineering
Grad. Dec. 2021 | GPA: 3.36

TROY HIGH SCHOOL
Troy Tech
Grad. May 2017 | Fullerton,CA

TECHNICAL SKILLS

PROGRAMMING
Python • C++ • Java • C • MATLAB •
SQL • HTML • JavaScript • Verilog

COURSEWORK

Object Oriented Design and Implementation
Network Computing
Advanced Applications Programming
Operating Systems
Game Theory
Artificial Intelligence
Distributed Systems
Machine Learning
Fundamentals of Database Systems
Intro. to Cryptography
Mobile Embedded Systems

ACTIVITIES

THETA TAU, PROFESSIONAL ENGINEERING FRATERNITY
Rush Committee Member
Dec 2018 - Mar 2021
- Coordinated venue acquisition for Theta Tau Rush week which accommodated 50+ engineering students interested in the fraternity
- Fundraised $500 through food sales and restaurant collaboration for administrative expenses

EXPERIENCE

SOFTWARE ENGINEERING INTERN | SHIPHAWK
Sep 2021 - Present
- Spearheaded creation of 3+ automated test fixtures using TestCafe to save 10+ hours of manual regression testing per week
- Working in development team in order to ensure quality at all phases of the software development life cycle
- Merged code for 2 features daily in an Agile environment

WEBMASTER | SOC 153
Apr 2021 - Jun 2021
- Implemented bug fixes for form creation on the website to ensure correct functionality
- Modified website UI so that it follows the ADA guidelines and fixed issues that pop up on siteimprove

PROJECTS

HYDROHOMIES | JAVA, FIREBASE
Oct 2021 - Dec 2021
- Developed an Android application that allows users to track their daily water intake
- Integrated Firebase within the app for user authentication and storing data
- Visualized users weekly intake data using MPAndroidChart API

STARSRUS STOCK SYSTEM | JAVA, SWING, SQLITE
May 2021 - Jun 2021
- Application that simulates a real-life stock brokerage system built using Swing
- Utilized JDBC to create and manage SQLite database

QAD VIRTUAL ASSISTANT | NLP/ML, REACT, DOCKER
Sept 2020 - March 2021
- AI chat-bot created for quick navigation of QAD's ERP application
- Worked in team of 5 in a test-driven approach following git and Agile principle to reduce query times by 67%
- Developed front-end UI on React that utilizes RASA framework and Duckling library for NLP/ML back-end

UCSB COURSESEARCH | JAVA, HTML
Jan 2020 - Mar 2020
- Worked in team of 6 to familiarize with legacy code, HTML, and Java
- Implemented a "Weekly View" of one's class schedule and the ability to export the schedule to Google Calender

ICLICKER POLL | PYTHON, POSTGRESQL
Dec 2019 - Mar 2020
- Developed a live polling web application as an alternative over students using iClickers within a lecture hall
- Implemented Django Channels, Redis, and Daphne to allow for asynchronous multi-client authenticated connections
- Designed database relational tables using PostgresQL