HARSAL PATEL

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EDUCATION

California State University, Fresno - Postbaccalaureate *Jan 2021 - Present*
Relevant coursework: C++ Programming, Data Structures and Algorithms, Computer Organization and Low-Level Programming, Operating Systems

University of California, Los Angeles - B.S. in Biology *Sep 2014 - June 2019*
Relevant coursework: Data Analysis using R

TECHNICAL SKILLS

Programming: C++, Java, HTML, CSS, Javascript, ARM Assembly
Software & Tools: Git, Bootstrap, Node.js

EXPERIENCE

Private Tutor - University of California, Los Angeles *June 2018 - June 2019*
- Provided one-on-one tutoring to several undergraduate students in various subjects, including math and biology

Assistant Manager - Best Western, Exeter, CA *Aug 2019 - Jan 2021*
- Was responsible for handling supply ordering, scheduling, covering front desk clerk duties when needed, and preparing daily reports for the manager
- Trained new employees to provide quality customer service to hotel guests

Private Tutor - California State University, Fresno *May 2021 - Dec 2021*
- Provided one-on-one tutoring lessons to undergraduate students in the computer science department
- Successfully aided students in increasing their test scores and gaining a better understanding of their programming and calculus courses

SELECTED PROJECTS

Discord Bot
- Developed a bot in Javascript for use within the Discord application
- Pulls from several APIs to perform functions such as displaying weather information given a city or zip code and playing music that is searched based on user inputted search terms or URL

Dijkstra's Shortest Path Game
- Developed a console game in C++ that allows the user to move a character around a map while avoiding enemies
- Uses a modified version of Dijkstra's algorithm that finds the shortest path from each enemy to the user
- Features include: character that moves with user input, enemies that move towards the user using the shortest path found by Dijkstra's algorithm, varying terrain in the map that affect enemy movement, navigable UI

Hotel Management System Interface
- Developed an application with GUI in Java that is similar to what is used by hotels to manage day to day activity
- Features include storing guest information, checking guests in and out, viewing room availability, advancing the business day, and writing data to a file that can be read when the program is started

COURSE EXPERIENCE

The Web Developer Bootcamp 2022 - Colt Steele
Udemy Online Course
- Completed a full course with certification covering HTML, CSS, and Javascript
- Topics covered include learning several CSS Frameworks, web security, writing complex web applications, cloud databases, and creating full-stack applications from scratch