Paris Hom

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EDUCATION

University of California, Riverside   **Sept 2018 – Jun 2021**
Bachelor of Computer Science   Cumulative GPA: 3.91
Relevant Coursework: Software Construction | Data Structures and Algorithms | Discrete Structures
Operating Systems | Artificial Intelligence

SKILLS

Languages
C++, HTML, CSS, JavaScript, Python
Other
Angular 8/9, React, GitHub, Bash

PROFESSIONAL EXPERIENCE

Riverside County Health Informatics   **Jan 2020 - Present**
Undergraduate Research Assistant
- Developed a web platform using React and Django that analyzes and models homelessness for more effective homelessness programs

PROJECTS

YerFont   **Jan 2020**
- Won Best Entrepreneurial Hack at HackUCI 2020
- Converts handwriting into an installable font and allows interleaving of different handwritten fonts
- Designed the front-end using JavaScript, CSS, and HTML

Recipe Book   **Dec 2019**
- Created a Recipe Book web application with Angular
- Shopping list feature that automatically creates a shopping list from the ingredients needed for the recipe
- Users can add, edit, and create new recipes and view them later

RShell   **Nov 2019**
- Created a Linux based terminal emulator written in C++
- Able to chain commands using connectors and create multiple threads using system calls
- Implemented own functions to handle parsing and executing user inputs

Huffman Encoding   **May 2019**
- Achieved overall file compression ratio of 1.5:1 bit using a prefix tree in about 130 lines of code
- Used C++ to represent more common characters with shorter strings via a basic translation matrix
- Outputs encoded file with encryption key to allow for decoding

YelpCamp   **Sept 2019**
- Designed and developed a web application that allows users to view, comment, or edit campgrounds
- Supports user authentication and only allows the owner to edit or delete their own campground
- Used mongoDB as the database and styled using BootStrap and CSS

LEADERSHIP

ACM-W at University of California, Riverside   **Jan 2020 - Present**
External Operations Chair
- Coordinated K-12 outreach to develop students in becoming leaders and innovators in the STEM field
- Lead "Let's Talk" discussions and workshops for professional and personal growth of members