

# Paris Hom

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## Education

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### University of California, Riverside

Sept. 2018 – Jun. 2021

Bachelor of Computer Science GPA: 3.90

Relevant Courses: Software Construction | Data Structures and Algorithms | Discrete Structures  
Machine Organization and Assembly | Design of Operating Systems | Logic Design

## Skills

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### Languages

C++, HTML, CSS, JavaScript, Python

### Other

Angular, React, GitHub, Bash

## Experience

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### 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

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### 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

## Extracurricular

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### ACM-W at University of California, Riverside

Jan. 2020 - Present

External Operations Chair

- Coordinated K-12 outreach to assist young students in becoming leaders and innovators in the STEM field
- Lead Lean in Circle discussions and workshops for professional and personal growth of members