

# Ryan Adam McCrory

(916) 753-5100 | [ryanamccrory@gmail.com](mailto:ryanamccrory@gmail.com)

GitHub: <https://github.com/ryanmccrory>

675 Meder Street, Santa Cruz, CA 95060

LinkedIn: <https://www.linkedin.com/in/ryan-mccrory->

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## Education

### Bachelors of Science in Computer Science

- ❖ University of California, Santa Cruz *June 2020*
  - 3.18 GPA
- ❖ Laguna Creek High School, Elk Grove CA *May 25, 2016*
  - Graduated with Honors and a 4.25 GPA

## Projects

### Poker Simulator Web App

- ❖ Heads Up Texas Hold Em game written in javascript using React
- ❖ Uses Firebase as a database for communication between players online

### Multi-Threaded Web Server in C++

- ❖ An httpserver that accepts get, put, and patch requests from a client via curl
- ❖ Has options to indicate number of threads, create/edit a mapping file used for aliases, and to log requests in a specified file

### Flight Itinerary In Prolog

- ❖ This program uses two databases, one of airports and their latitudes and longitudes, and one of flight schedules for these airports
- ❖ Given a request to travel from one city to another, it prints out the flight schedule (departure airport, arrival airport, city name, and time) for each leg of the trip

## Relevant Coursework

Intro to Data Structures

Abstract Data Types

Analysis of Algorithms

Computational Models

Advanced Programming

Natural Language Processing

Business Information Systems

Computer Assembly Language

Computer Architecture

Comparative Programming

Software Engineering

Computer Security

Calculus 1, 2, 3

Linear Algebra

Applied Discrete Math

Probability / Statistics

Operating Systems

Intro to Python

## Skills

C++, C, Java, Python, Unix, MySQL, Scheme, Ocaml, Smalltalk, Perl, Prolog, React, Algorithm Analysis

## Extra Curricular

### Camp Counselor - Camp Kesem UCSC

February 2019 - Present

- ❖ Help provide a free, week long summer camp for local kids who have been affected by a parent's cancer

### Fundraising Chairman - Sigma Pi Fraternity International

2017-2018

- ❖ Work with other organizations on campus as well as local businesses
- ❖ Organize and execute fundraising events to benefit the chapter