

# Alex E Chen

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## EDUCATION

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**University of California, Riverside**

**Riverside, CA**

*Bachelor of Science, Computer Science*

*June 2022*

Cumulative GPA: 3.55/4.0 (Dean's Honor List 7x/ Chancellor's Honor List 1x)

## KEY SKILLS

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Fluent: C++, Git, HTML, CSS

Familiar: C, Javascript, Assembly, MATLAB, Embedded Systems, Bootstrap, Python, AJAX, JQuery, Django, SQL, PSQL

Non-Technical: Bilingual (English and Chinese)

## PROJECTS

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### R-Shell Project

*Jan 2020 - Mar 2020*

- Implementation of basic unix shell using C++, reading and executing user inputted commands
- Used boost library to create a tokenizer that helped deal with commands/connectors and parse user input
- Implemented a simplified shunting yard algorithm to deal with precedence operators

### Covid Project

*March 2021 - June 2021*

- Worked in a group, creating a web application that performs analytics on a COVID dataset
- Used HTML/CSS and JavaScript for front-end development
- Communicated with backend using HTTP methods to send user selections to return filtered data

### Chat App Project

*September 2021 - March 2022*

- In a team of three, created a chat application that used MongoDB, Express.js, React, and Node.js.
- Worked on database and server setup, individual/group chats, and user login/sign up
- Tested API calls such as GET and POST requests using Postman

## EXPERIENCE

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### Dish Network (Sling TV DVR Team)

**American Fork, Utah**

*Software Engineer Intern*

*June 2021 - Aug 2021*

- Created a fullstack webpage tool to help the team discover trends in over 50,000 show data points
- Created a REST API endpoint that sends data between the front and back end
- User selects filters to then query database to return filtered data on a graph
- Used HTML, JavaScript, AJAX, JQuery, Python, Django, ChartJS and PSQL for a full-stack experience

### The Faculty Clothing

**Arcadia, California**

*Co-Founder*

*Nov 2016 - Sept 2018*

- Created a clothing brand that at peak, had grossed over 10,000 in sales and followers on Instagram
- Managed the social media, customer service, orders/inventory

## RELEVANT COURSEWORK

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- Software Construction, Operating Systems, Compilers, Database Management Systems, Discrete Structures, Data Structures and Algorithms, Linear Algebra, Embedded Systems, Design and Architecture of Computer Systems.