

# JUSTIN CHUNG

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## Education

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**Santa Clara University**

Sept 2021 - June 2025

*B.S. Computer Science and Engineering*

*Santa Clara, CA*

- Relevant Courses: Advanced Programming, Abstract Data Types and Data Structures, Introduction to Logic Design, Introduction to Embedded Systems

## Personal Projects

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**ParkMe (Next.js, Express.js, MapBox, Firebase,)**

November 2022

- Collaborated in INRIX Hackathon to create an interactive map displaying parking information such as price, hours open, address, and occupancy around a requested area
- Retrieved parking information from INRIX API using Express.js.
- Handled front-end capabilities with Next.js and implemented MapBox API to present parking information on a map.
- Utilized Firebase to set up Google Login Authentication.

**Discord Music Bot (JavaScript, Node.js, Heroku)**

November 2022

- Developed a music [bot](#) for over 60 users to play music or the audio of any video published on YouTube.
- Utilized discord-player framework to facilitate music commands from discord.js.
- Deployed bot on Heroku to keep the program online 24/7.

**Wordle Clone (HTML, CSS, JavaScript, React.js)**

October 2022

- Created a [clone](#) of popular web game Wordle.
- Designed using Context API for state management to allow states to be accessed by other files.

## Academic Projects

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**Abstract Data Types and Data Structures Term Project**

- Designed a [circular queue](#) by combining a singular linked list with an array in order to run stack and queue operations while implementing efficient indexing.
- Implemented this abstract data type in order to run a maze solver, a quick sort algorithm, and a radix application.

## Work Experience

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**Santa Clara University**

2022 - Present

*TA/Grader*

*Santa Clara, CA*

- Collaborated with a team of three students to grade assignments for an Intro to Engineering course.
- Graded 100+ assignments per week while managing workload and meeting deadlines set by the professor.

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**Programming Languages:** C, Java, HTML, CSS, JavaScript, React.js, PHP

**Technologies:** GIT, GitHub, REST APIs, Visual Studio Code, Photoshop, After Effects, Microsoft Office

**Awards:** High School Valedictorian, AP Scholar with Distinction, Dean's Scholarship