

Justin Chang

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Education

UC Santa Barbara

BS, Computer Science

08/2020 – 06/2024

Santa Barbara, California

Coursework

High School

AP Calculus BC

AP Computer Science A

AP Statistics

Undergraduate

Advanced Java Programming

Multivariable Calculus

Linear Algebra

Links

github.com/just-in-chang

justinchang.xyz

linkedin.com/in/just-in-chang

Skills

Languages

Java, JavaScript, Python, C++

Libraries

React.js, Bootstrap, Express.js,

Django Rest Framework

Version Control

Git

Others

Chinese (Mandarin)

Task Dedication

Project Management

Adaptability

Leadership

Eagle Scout

Varsity Swim Team Captain

Water Polo Team Captain

Experience

Ortexo

Software Engineer | July 2020 – September 2020

- Worked with a **scrum** team in biweekly sprints to develop products including NPO Core, the company blog, and the company website
- Developed endpoints for the **REST API** of NPO Core that handled user profile data in **Express.js**
- Interfaced with **MongoDB** through **Mongoose ODM** to store post and user session data for NPO Core
- Designed **React.js** components to load and display hundreds of organizations and posts

SUSTaiN

Front-end Web Development Intern | March 2019 – July 2019

- Utilized **React.js** and **Bootstrap** to develop the front-end of a website
- Created reusable and responsive React components
- Deployed website to GitHub Pages

Projects

Jelli | *September 2020*

- A **full-stack** web application to help users manage projects and tasks through a card-based organization system
- Uses the **Django Test-Execution Framework** to perform **unit tests** on the **Django Rest API** back-end endpoints and CRUD operations
- Utilizes **Cypress** to perform **End to End** tests for the **React.js** components

Pathfinder | *June 2020*

- A widget that generates and solves mazes
- Implemented **Kruskal's algorithm** to randomly generate a maze
- Used **Dijkstra's Algorithm** and **A* Search Algorithm** to determine the shortest way through the maze
- Added animated GUI to portfolio website using **React.js** and **HTML5 Canvas** to display the maze and the traversed path

Akira Bot | *August 2019*

- Profile analysis tool made in Discord.js framework
- Utilized **Google Drive** and **Google Sheets API** to manage the point system for a 100+ player game organized by Lynbrook High School
- Included features to calculate leaderboards, add/remove from player point balance, create new players

Cookie IDE | *April 2019*

- A **JavaFX** drag and drop development environment for JavaFX GUI components and applications
- Implemented **socket network programming** with **multithreading** to efficiently save and retrieve files from backend server