Sean Ye

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Education

University of California, San Diego   La Jolla, CA   Sep 2019 – Expected 2023

- B.S. in Computer Science, GPA: 3.9, Major GPA: 4.0, Tau Beta Pi
- Relevant Coursework: Advanced Data Structures, Software Engineering, Design & Analysis of Algorithms, Theory of Computation, Computer Organization & Systems Programming, Software Tools & Techniques

Experience

Incoming SDE Intern   Amazon   Summer 2021

- Incoming Software Development Engineer Intern in the Summer of 2021

Lead Front End Developer   Hollr Technologies   Summer 2020 – Present

- Developed Chrome extension at a startup facilitating users in streamlining the sharing of products with others such as Amazon, Netflix, Youtube
- Used React TypeScript on the frontend and Firebase/Firestore to manage user settings and endorsements

Front End Developer   ACM UCSD   Fall 2020 – Present

- Helped maintain membership portal with React TypeScript for over 1000+ users
- Collaborated in a Agile team of 7 with designers and backend engineers

Student Volunteer   CodeDay LA   Fall 2017 – Spring 2019

- Led intro workshops that taught 30+ new programmers how to code and write simple programs
- Coordinated event logistics with other volunteers such as location, food, and date for over 200+ hackathon attendees

Projects

Path Maze Visualizer   Website | Github | Summer 2020

- Built React application to visualize different pathfinding and maze generation algorithms
- Implemented 10 different algorithms, including Dijkstra, A* Search, Kruskal, Prim, etc.
- Utilized in a class of 100+ to help learn and build intuition on algorithms

Todo List   Website | Github | Spring 2020

- Built full stack web app for storing and managing todos with user authentication and a RESTful Todo API
- Used React on the frontend with an emphasis on Material Design (Material-UI)
- Used Node.js / Express for server requests and MongoDB / Mongoose for storing data

Generals.io Bot   Github | Summer 2020

- Built Node.js bot to play Generals.io, a fast-paced multiplayer strategy game
- Became the number one ranked bot in the 2020 season in 3 weeks

Quizbowl Parser   Github | Spring 2019

- Built Qt app in C++ to parse Quizbowl tossups and classify clues based on relevancy and importance
- Utilized by the Arcadia Quizbowl Team that led to a national 8th place finish

Honors

- Warren Honor Society
- National Merit Finalist
- National AP Scholar

Skills

Languages: JavaScript/TypeScript (ES6) ● C/C++ ● Java ● HTML5 ● CSS3
Tools/Frameworks: React.js ● Node.js ● Express.js ● MongoDB ● Firebase ● Qt ● Unix/Linux ● Git