SAMIR ABDALLA

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EDUCATION

University of California Los Angeles   Los Angeles, CA
Bachelors of Science in Mathematics of Computation   *Expected March 2024*

SKILLS & INTERESTS

Languages: JavaScript, TypeScript, HTML/CSS, Java, C, C++, Python
Technologies: React.js, Next.js, Bootstrap, Node.js, Express.js, MySQL, Redux, MongoDB
Interests: Pokémon, Chipotle, Jujutsu Kaisen, basketball

EXPERIENCE

Software Engineer Intern   December 2022 - July 2023
JPM Installations
- Developed backend interfaces with Java to provide API's for retrieval of client information
- Designed backend database utilizing MySQL to store client and payment information
- Created technical documentation for **2** new database features and keys

Software Engineer Intern   March 2021 - June 2021
NATEC International, Inc.
- Automated client registration which improved onboarding rate of new clientele by over **37%**
- Improved performance for retrieval of client records from MySQL database by reducing fetch times by over **70%**

C++ Tutor   June 2022 - January 2023
- Tutored UCLA's CS32 course to **over 20**+ **UCLA students** where ~**70%** of them went on to receive a B+ or higher
- Educated students in core CS data structures and the C++ STL

PROJECTS

SpeedEats | *React, Next.js, MongoDB, Typescript , Bootstrap*   November 2023 - January 2024
- A web application that removes indecision on where to eat based off of the user's current location
- Aggregated multiple APIs to provide users with the best dining option as well as to reduce load to any one API
- Established a user base of over **150**+ **people**
- **Live Site:** https://www.speedeats.co   **Github:** https://github.com/SamirOsAbdalla/speed-eats

Cluster | *React, Next.js, MongoDB, Typescript*   May 2023 - October 2023
- A web application for users to manage their groups and the tasks in those groups
- Designed features such as sleek tables to maintain group/task state and a comment system for inter-user communication
- Maintained **over 50**+ **users** ranging from high school students in group projects to college roommates
- **Live Site:** https://www.clustersapp.net   **Github:** https://github.com/SamirOsAbdalla/cluster

Data Structure Visualizer | *React, Typescript*   September 2023 - October 2023
- Animated core data structures to give insights as to how they really work
- Created detailed explanations on the methods and operations that each data structure has
- Inspired my 10-12th grade tutees to pursue programming with an introduction to Computer Science fundamentals
- **Live Site:** https://ds-visualizer-jade.vercel.app/   **Github:** https://github.com/SamirOsAbdalla/ds-visualizer