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| EDUCATION | University of California, Irvine B.S., Computer Science GPA: 3.75/4.00 Dean's Award List (7 Quarters) | Jun. 2021 |
| SKILLS | Programming Python, C/C++, Java, HTML, CSS, JavaScript, SQL, TypeScript, Common Lisp, MIPS Assembly, Prolog Utilities Git, Vim, Linux/Unix, MySQL, React.js, JUnit, Node.js, Express.js, MongoDB Languages Mandarin, Cantonese | |
| PROJECTS | ArdentChat - https://github.com/imliuyzh/ArdentChat <i>A real-time messaging application for one-on-one communication between 50 students and staff members.</i> <ul style="list-style-type: none">Implemented the front-end with React.js which allowed users to send text messages in any length and receive media files such as JPEG, MP4, and PDFBuilt a RESTful API with Node.js and Express.js that returned user information stored by the Atlas MongoDB serviceMaintained the program with Git while adding new features and scaling resource usages ICS Search Engine - https://github.com/imliuyzh/ICS-Search-Engine <i>A search engine written in Python that was able to handle thousands of webpages under a subset of the ICS domain with the query response time below 300ms.</i> <ul style="list-style-type: none">Ranked the relevance among seven thousand pages in low response time by coding custom cosine similarity algorithm with tf-idf weightingParsed the text within webpages to store them into an inverted index distributed among various small index filesConstructed the search engine with 3 students in 4 weeks | |
| RELATED EXPERIENCE | Software Development Intern <i>Ardent Academy for Gifted Youth</i> <ul style="list-style-type: none">Developed a whiteboard application with HTML, CSS, and JavaScript in response for drafting needs among students who enrolled in the math programRenovated the front-end of Ardent Labs' website with in-demand industrial web development tools such as React.js and NPMProduced a prototype for an internal messaging application with the MERN stack for individual conversation between students and teaching staff members ICSSC Project Committee Developer <i>University of California, Irvine</i> <ul style="list-style-type: none">Collaborated with over 10 developers to create a website enabling students to view information for over 5000 classes and their grade distribution since Fall 2014Reported current status for the assigned team to the head of the project committee during weekly meetingsOrganized several activities enabling students to learn essential development tools like Git Student Lab Tutor <i>University of California, Irvine</i> <ul style="list-style-type: none">Engaged with more than 100 students on their class assignments through debugging and explaining the control flow of their programsClarified students' confusion on difficult concepts under 5 minutes on average | Jul. 2020 — Sep. 2020 Oct. 2019 — Jul. 2020 Mar. 2019 — Jun. 2020 |