

Darren Jian

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EDUCATION

UNIVERSITY OF CALIFORNIA, SAN DIEGO

| BACHELORS IN MATHEMATICS-COMPUTER SCIENCE |

Cum. GPA: 3.54

La Jolla, CA

JUNE 2021

RELEVANT COURSEWORK

Intro to Computer Science and OO Programming • Basic Data Structures and OO Design • Intro to Discrete Mathematics • Software Tools and Techniques Lab • Management of Diverse Teams • Public Speaking

PROJECTS

CUSTOMIZABLE LED DISPLAY SPEAKERS

| PROJECT MEMBER |

La Jolla, CA

SEPT 2018 – JANUARY 2019

- Developed Python Script for a Raspberry Pi capable of controlling a LED lights.
- Used Adafruit library to design functions capable of displaying sprites, symbols, and the alphabet on a LED matrix
- Designed a circuit and soldered the connections between the Raspberry Pi, woofer, and tweeter to split frequencies and create an effective speaker

SOLAR POWERED AUTOCLAVE

| PROJECT MEMBER |

La Jolla, CA

SEPT 2017 – MAY 2018

- Produced a dual-purpose solar powered autoclave unit to sterilize medical equipment as well as produce potable water for areas without access to electricity.
- Constructed a reflective paraboloid to focus sunlight and designed a heat-exchanger to maximize energy efficiency.
- Produced temperatures around 80°C and a slight amount of potable water.

EXPERIENCE

JOINT BIOENERGY INSTITUTE

| INTERN |

Emeryville, CA

JUNE 2016 – AUG 2016

- Researched cellulase producing bacteria as a source for biofuels
- Mentored by post-doc researchers to cultivate and isolate bacteria capable of breaking down unused plant material
- Presented findings and research to fellow researchers.

CHEF CHOY CHINESE RESTAURANT

| Host/Bus Boy |

Pleasant Hill, CA

SUMMER OF 2017, 2018

- Handled customer complaints resourcefully and respectfully.
- Provided exceptional service to guests by organizing seating and engaging in active conversations.
- Ensured customer satisfaction with food and service.

SKILLS

PROGRAMMING

Java • Python • C • C++ • Matlab

TOOLS

UNIX • Vim • GDB • Latex

ACHIEVEMENTS

CHANCELLOR'S SCHOLAR

Prestigious scholarship given to approximately 30 students for academic excellence

ILEAD LEADERSHIP CERTIFICATION

Completion of the leadership and communication program by the Center for Student Involvement