

# David Chou

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## OBJECTIVE

Electrical Engineer seeking an entry level position in circuit design and power electronics, looking to develop new products that will improve the lifestyle of the people.

## EDUCATION

### Bachelor of Science, Electrical Engineering

University of California, Davis

- Garibaldi STEM/Arts Award

Expected: June 2021

Davis, CA

Engineering GPA: 3.33/4.00

### Relevant Courses

Signal Processing

Communication Electronics

Control Systems

Digital ICs

Electromagnetics

Electronic Circuits

Device Physics

Digital Systems

Power Electronics

## SKILLS

- **Computer Programs:** ALTIIUM, ORCAD, LTspice, Quartus Prime, Microsoft Word, Excel, and Powerpoint
- **Coding Languages:** Proficient in C++ and MATLAB
- **Equipment:** Oscilloscopes, probes, multimeters
- **Languages:** English and Chinese
- **Soft Skills:** Observant, Detail Orientated

## PROJECTS

### Autonomous Car Project

September 2020 - March 2021

- Coded in OpenMV IDE for line detection in a team of 4 in order to control the steering depending on the position of the car.
- Designed a custom PCB in Altium that incorporated a servo, motors and microcontrollers.
- Read and understood datasheets for electronic components.

### Engineering and Robotics Club Solar Regatta

January 2019 - May 2019

- Designed and assembled a pontoon style boat cut from a CNC machine with custom fabrication.
- Incorporated various circuitry including voltage regulators, buck converters, and sensors to control the DC motor from solar panels and batteries.
- Utilized recycled materials as much as possible and our team of 7 students achieved 2nd place in the sustainability category.
- Attained 3rd place in artistic and technical design and overall placed 7th out of 18 school teams.

## EXPERIENCE

### Lock Desk Intern

June 2020 - September 2020

General Mortgage Capital Corporation

Burlingame, California

- Fulfilled Loan Officers requests of mortgage rate locks including extensions, cancellations and changes.
- Followed up with mortgage rates daily to make sure loans are locked at the correct rate to avoid money losses.
- Increased business flow and efficiency by around 15% by locking loans and working efficiently as a team of 4.

### Verification Specialist Intern

June 2019 - September 2019

General Mortgage Capital Corporation

Burlingame, California

- Followed company protocol in filling out verification forms to send out to HOA's and the borrowers employers.
- Created a sense of a friendly atmosphere while contacting the borrower's employer to verify income for loan qualification.
- Performed under pressure as the sole employer who did the verifications.