David Chou

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EDUCATION

| 09. 2019 – 06.2022 | **University of California, Davis** | Davis, CA |
| | *Bachelors of Science: Electrical Engineering* | GPA: 3.33/4.0 |

- Garibaldi STEM/Arts Award

| 12.2021 – Present | **University of California, Berkeley Extension** | Berkeley, CA |
| | *Full Stack Web Development Coding Bootcamp* | |

PROGRAMMING LANGUAGES AND SOFTWARE

- HTML5, CSS, JavaScript, jQuery, JSON, OOP
- Bootstrap, NodeJS, React, Handlebars

- MySQL, Express.js, MongoDB

PROJECTS

- Back end lead developer on a team of three to build a full stack application which was a site that allowed users to login to post their items that are no longer needed, and people within the community could sign up, comment on various items, and claim them. The application is built on Handlebars for its templating engine alongside Bootstrap for the frontend framework. On the backend, this application utilized express.js, node.js, and mysql.

- Front End Developer to build an Astronomy Dashboard that was able to display the user's current weather, visibility conditions, current moon phase, and the latest astronomy news with the incorporation of Tailwind CSS, 3rd party and server side APIs, HTML, Javascript and Javascript libraries.

- Engineer for my senior design project where I designed and built an autonomous car in a team of 4. We designed a custom printed circuit board in Altium that controlled the driving functions of the car with servos, motors, and microcontrollers. We also coded in OpenMV IDE using Python to integrate a line detection control system to allow the car to navigate a track autonomously. And throughout this project, I was able to read and understand datasheets for electronic components.

WORK EXPERIENCE

Advance Design Consultants, INC - Electrical Engineer - San Jose, CA   07.2021 - 12.2021
- Assisted with the preparation of design drawings by performing Title 24 calculations, panel schedules, load calculations, lighting & power plan design and layouts, and single line diagrams.
- Assisted project managers by organizing details of construction drawings.
- Conduct quality control checks of construction documents with project managers.