

## Oscar Wong

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### Education:

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Bachelor of Science, Electrical Engineering August 2022  
University of the Pacific GPA: 3.5, Completed Pacific's Honors Program  
Coursework Completed:  

- Digital Design
- MATLAB
- Computer Appl. in Engineering
- Intro to Computer Science
- Data Structures
- Microcontrollers

### Skills:

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- CSS3
- HTML5
- JavaScript ES6
- C/ C++
- React.js
- Bootstrap
- Tailwind
- Git/ Git Hub

### Projects:

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API Feeder March 2023  
Developed an API of conduit and wire costs using Node.js and Express. Built a website that fetches the data to easily price feeders based on desired amperage. Created a filter function to search by name and amperage.

Guess Who February 2023  
Designed a game that allows users to guess the name of a famous individual using one of their quotes and an image. Used a text-to-image generator from OpenAI's DALL-E 2 beta API to generate the images.

Dog Hinge February 2023  
Built a dog profile discovery website using RapidAPI. Incorporated a like/dislike feature to create a more interactive experience. Added filters to search by gender, name, country, and age.

### Work Experience:

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**Project Engineer** – Salas O'Brien, San Jose CA May 2022 – February 2023  
Designed plans for electrical power and lighting systems using Revit and AutoCAD. Conducted load calculations to size equipment and visited sites to evaluate existing equipment. Maintained open communication with clients to ensure their satisfaction with the design. Collaborated with a diverse team of architects, mechanical engineers, structural engineers, and general contractors.

**Manufacturing Engineer Intern** – Ultra Clean Technology, Hayward CA Jan – August 2021  
Modify work instructions. Reorganization of inventory in cleanrooms. Reduce variances between physical and SAP quantities by 30%. Observed builds and made changes to work instructions to minimize assembly mistakes from outdated and unclear instructions. Point-to-point wiring on power distribution board and controller. Creating 3D models and 2D drawings in Solid Works of undocumented fixtures that needed to be replicated.