

# Daniel Lau

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## EDUCATION

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**La Jolla, California**                      **Univ. of California, San Diego**                      **Fall 2015 - Jun 2019 (Exp.)**

- B.S. Computer Science - Cumulative GPA: 3.63 | CSE Course GPA: 3.96
- Relevant Coursework : Data Structures, Hardware/Computer System, Algorithms, Software Tools & Techniques, Software Engineering, Data Science, Calculus I - III, Linear Algebra, Statistics

## EXPERIENCE/ORGS

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**Software Engineer, Intern**                      **Achievable Inc.**                      **Fall 2016 - Winter 2017**

- Working across the stack to implement admin functionality using React/Relay/GraphQL
- Add functionality on Admin page using Rails and Javascript.
- Allowed instructors to assign content to students through an interface

**Software Team Member**                      **UCSD AUVSI**                      **Fall 2016 - Present**  
**Autonomous Airplane Flight**

- Created Ground Control Station for competition and test flights.
- Developed map for real-time display and update of markers from backend.
- Front-End Development for the rewritten website page.

**Printer Team**                      **UCSD Bottles to Models**                      **Fall 2016**

- Calibrated 3D printer to be able to take filament and turn it into actual models.

## PROJECTS

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- **San Diego/UCSD Metro Real-Time App** - Integrates both bus times from the city of San Diego and the campus of UCSD into one application. Lets you view buses around your location, as well as any bus route and their incoming times.
- **Personal Website** (DanielCPLau.com) - Overhauled using React from basic HTML+JS. Showcases projects/front-end development/design.
- **ReactCalc** - Calculator web-app built using React + Redux.
- **ReactYoutube** - Insta-load Youtube searches with dark/light room features. Loads the first result of each term you type into the searchbar.

## TECHNOLOGY

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- **C++, C, Java, Javascript**(React, Redux, Relay, GraphQL), **HTML, CSS, React, Rails, Python**