

# Chi Chow

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## Education

### UNIVERSITY OF CALIFORNIA, SAN DIEGO

JUL 2019 - MAY 2023  
(Expected Graduation Date)

- B.S. Computer Engineering
- **GPA:** 3.93
- **Chancellor's Scholar:** Awarded for demonstrating academic excellence.
- **IDEA Scholar:** Program for top freshman engineering students.

## Skills

### Programming Languages:

- Java
- C
- Kotlin
- C++
- Python
- MATLAB
- JavaScript

### Frameworks:

- Android
- Node.js
- AWS
- React.js
- Kotlin multiplatform full stack
- Arduino
- PostgreSQL

## Project Teams

### Rocket Propulsion Laboratory @UCSD

- Aimed towards learning about space exploration and aerospace design, and applying knowledge to real projects.
- Avionics team: Design electronics (hardware and software) for rockets.
- Redesigned and improved rocket command box, including circuit board, laser cut, 3D CAD.

OCT 2019 - PRESENT

### Quarterly Projects @UCSD

- Micromanager: Time management app to calculate optimal schedules
- Created API (Ktor), database (Exposed, PostgreSQL) for storing schedules, and client for demonstration (Android)
- Placed 3rd among >20 teams, and was given the Best UI award
- Repo: <https://github.com/cschow-ucsd/micromanager>

OCT 2019 - PRESENT

## Highlighted Projects

### Priva-No-See Summer Engr. Institute @UCSD

- Arduino device to open/close curtains, ensures privacy in populated areas.
- Programmed timer, light & sound sensor for opening/closing logic (C++).
- Placed 1st among 6 teams in class, 3rd among 31 teams overall.
- Repo: [github.com/cschow-ucsd/priva-no-see](https://github.com/cschow-ucsd/priva-no-see)

JUL 2019

### SPHS Lunch Lines PLTW EDD @SPHS

- Engineering project to optimize lunch lines at South Pasadena high school.
- Researched decreasing wait times, implemented simulation of lines (Kotlin).
- Solution is projected to reduce wait time by 30% (9min to 6min), and is adopted and currently tested by the high school administration.
- Repo: [github.com/cschow-ucsd/SPHS-Lunch-Lines](https://github.com/cschow-ucsd/SPHS-Lunch-Lines)

AUG 2018 - MAY 2019

## Work Experience

### Teaching Asis MAD & Android University @CodePath

- Help students resolve problems with their Android coding assignments
- Screen share with students to diagnose bugs and explain Android programming concepts
- Material taught includes using intents, RecyclerView, calling APIs with REST client, reading/writing from databases

MAR 2020 - MAY 2020