

# Si Thu Kaung Set

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## EDUCATION

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### University of California San Diego

*Bachelor of Science in Computer Science, Minor in Psychology*

**Major GPA:** 3.87 / 4.0

**Relevant Coursework:** Advanced Data Structures and Algorithms, Recommender Systems and Web Mining, Data-Driven UX/Product Design, Software Engineering, Theory of Computation, Web Client Languages, Managing Diverse Teams

La Jolla, CA

*Sep 2018 - Dec 2022*

## EXPERIENCE

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### Cisco Systems

*Software Engineer Intern*

San Jose, CA (Remote)

*Jun 2022 - Sep 2022*

- Utilized **Angular**, **TypeScript**, **RxJS**, **Jest** to develop CX Cloud's front-end and mock API calls for unit-testing.
- Developed an internal logging system that ships errors from both developers and the Angular framework to an injected log target, allowing developers across the application to quickly identify and address / triage customer-facing problems.
- Devised a proof of concept for the Angular Service Worker that oversaw a 58.93% decrease in the network load time.
- Worked with designers and CXUI component team to improve website accessibility and help achieve the FedRAMP accessibility certification status.

### Intern Guys

*Front-end Developer Intern*

Irvine, CA (Remote)

*Jun 2021 - Sep 2021*

- Applied **React**, **CSS**, **jQuery (Ajax)** to relay information from the database into responsive, accessible interfaces provided by the UI/UX team.
- Implemented features such as page footers, tags for internship preferences, a full-stack internship searching page, and the front end of the internship application page.

### System Energy Efficiency Lab

*Undergraduate Research Assistant*

La Jolla, CA

*Jan 2020 - Jan 2021*

- Built **Python** scripts (Numpy, Scipy, Scikit-learn, Matplotlib) to develop test case scenarios for hardware implementation of various encoding algorithms such as locality-based sparse projection.
- Boosted the efficiency of the hyper-dimensional (HD) model by 4.5x while maintaining high accuracy by conducting research on efficient, brain-inspired HD computing and refining adaptive bit-width models.
- Publication: <https://ieeexplore.ieee.org/document/9643791>

## PROJECTS

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### Jacqueminot - Theta Tau | MongoDB, Express, React, Node

*Mar 2021 - Jun 2021*

- Developed the front-end of an exclusive web application that facilitates interaction between actives and alumni.
- Employed **React** and **CSS** Grid/Flexbox to create elegant and intuitive components within responsive layouts.
- Utilized packages like React-Bootstrap and React-Pdf to display family trees and placards of actives/alumni willing to connect.

### Organelle | MongoDB, Express, React, Node

*Sep 2020 - Dec 2020*

- Collaborated with team members to develop a web application that helps college students organize coursework and deadlines.
- Applied **React** to construct a stylish and responsive calendar / to-do list displaying current events and assignments.
- Utilized libraries including Axios, Moment.js and Mongoose to incorporate back-end functionalities including changing password and notification emails.

## SKILLS & INTERESTS

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**Languages:** Burmese, English

**Programming Languages:** Python, Javascript / Typescript, C / C++, Java

**Web Development:** HTML / CSS, Angular, React, Node.js

**Other:** Unix, Git, CircleCI, Jest, Jira, Agile Scrum Methodology

**Interests:** Mindfulness, Community Service, Design, Social Psychology, Traveling