Liam Kaung Set

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EDUCATION

University of California San Diego — La Jolla, CA

Bachelor of Science in Computer Science, Minor in Psychology — *Expected Graduation: Dec 2022*

Major GPA: 3.92 / 4.0

Relevant Coursework: Advanced Data Structures and Algorithms, Introduction to Machine Learning, Component and Design Technology/ Digital Systems, Software Engineering, Theory of Computation, Web Client Languages

PROJECTS

Jacqueminot - Theta Tau | *MongoDB, Express, React, Node* — *Mar 2021 - Jun 2021*

- Developed the front-end of a Theta Tau 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-Boostrap and React-Pdf to display placards of actives/alumni willing to connect in addition to family trees of each Theta Tau family.
- Link: https://jacqueminot.web.app/

Organelle | *MongoDB, Express, React, Node* — *Sep 2020 - Dec 2020*

- Collaborated with classmates to develop a web application that helps 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.

StringOperator | *C++* — *Aug 2020 - Sep 2020*

- Developed class library in **C++** that performs comprehensive analysis on input text, including word-count distributions, user-specified string mutations, and varied sorting algorithms.

EXPERIENCE

Intern Guys — Irvine, CA (Remote)

Front-end Developer Intern — *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 but not limited to 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 — La Jolla, CA

Undergraduate Research Assistant — *Jan 2020 – Present*

- Utilized **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.

Enterstem Co. Ltd — Yangon, Myanmar

Web Developer Intern — *May 2019 – Sep 2019*

- Employed **HTML**, **CSS**, and **PHP** to design a search engine capable of parsing through over 200 local hotels in Yangon.
- Designed a search bar and integrated backend functionalities alongside a filtering system based on ratings, location, and payment options.

SKILLS & INTERESTS

Languages: Burmese, English

Programming Languages: C/C++, Python, Java

Web Development: HTML, CSS, JavaScript, PHP, React, Node.js

Interests: Meditation, Community Service, Bodybuilding, Kickboxing, Traveling