Si Thu Kaung Set

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EDUCATION

University of California San Diego <div align="right">La Jolla, CA</div>

Bachelor of Science in Computer Science, Minor in Psychology — *Sep 2018 - Dec 2022*

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

EXPERIENCE

Cymbiotika LLC — San Diego, CA

Web Developer — *Mar 2023 – Present*

- Leveraged **React**, **Redux**, **Tailwind**, **Python**, and **PostgreSQL** in collaborative sprints with designers, product managers, and engineers to build and deploy customer-facing applications for our 300,000-strong client base.
- Designed and built Customer Portal v2, the central subscription platform, featuring a comprehensive Redux-powered product/settings management system and a custom dynamic modal infrastructure built for handling complex promotion flows and location/tier based cancellations.
- Developed Arise Loyalty Dashboard, an internal, full-stack application with Google Auth that enables CX to directly control and monitor loyalty data across 5 international stores which helped streamline workflows and reduce inter-team friction.
- Collaboratively engineered the Arise Community app using Amity Social Cloud SDK, featuring an intuitive notification tray, an aesthetic content search functionality, and a robust backend with webhook monitoring for real-time engagement rewards and Klaviyo integration for daily email notifications.

Cisco Systems — San Jose, CA (Remote)

Software Engineer Intern — *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 — 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 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 – 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

SKILLS & INTERESTS

Languages: Burmese, English

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

Web Development: HTML / CSS, React, Redux, Tailwind, Angular, Node.js, PostgreSQL

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

Interests: Mindfulness, Design, Social Psychology, Traveling