Si Thu Kaung Set

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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 revamped the company's central subscription management platform using Recharge API, featuring a comprehensive Redux-powered product/settings management system and a custom dynamic modal infrastructure to support complex promotion flows and location/tier based cancellations.
- Developed a full-stack, internal web application with Google OAuth2 enabling CX to directly control and monitor loyalty data across 5 international stores which drastically helped streamline workflows and reduce inter-team friction.
- Collaboratively engineered a social networking application using Amity Social Cloud SDK, featuring an intuitive notification tray, content search functionality, webhook monitoring for rewarding real-time engagement 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

EDUCATION

University of California San Diego   La Jolla, CA

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

SKILLS & INTERESTS

Languages: Burmese, English
Programming Languages: Javascript / Typescript, Python, C / C++, Java
Web Development: HTML / CSS, React, Redux, Tailwind, Angular, Node.js, Redis, Celery, FastAPI, PostgreSQL
Other: Unix, Git, CircleCI, Jest, Jira, Agile Scrum Methodology
Interests: Mindfulness, Design, Social Psychology, Traveling