

Kaung Khant Pyae Sone

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Skills & Technologies

Programming Languages: JavaScript, HTML, CSS, JSX, Python, C++
Frameworks/Tools:

- **Web:** React, React Router, Vite, Node.js, Express.js
- **Development:** Git, GitHub, BitBucket, Visual Studio Code

Experience

Stryker, NetDev CO-OP May 2022 – Dec 2022

- Developed a **web dashboard** used by 40+ support engineers and managers that displays the availability of support engineers that are on-call using data from Salesforce
- Sped up a **Python** script that converts Excel files into HTML pages up to 4 times, by adding concurrent conversion and reducing writes to disk, and then deployed it on a Raspberry Pi
- Cleaned, parsed and classified Vocera device logs into a spreadsheet that contains up to 60% fewer log lines using **Python** to find unique combinations of log line headers and generate statistics on it

Projects

Personal website – kkps.dev May 2023 – Jul 2023

- Developed a personal website in the form of a single-page application (SPA) using **React** and **React Router**, which is used to inform visitors about myself and display my portfolio
- Created reusable **React** components such as cards, date selectors, photo carousels, modals, and pages
- Ported app from create-react-app to **Vite** to build and package it, then deployed it on GitHub Pages

Gradiotronics – Senior project at University of the Pacific Jan 2023 – May 2023

- Collaborated with Bioengineers to build an Arduino in-sole pressure sensor and a companion web app
- Programmed the Arduino in **C++**, enabling it to pair with the companion app and send sensor data over Bluetooth Low Energy (BLE), while teammates designed and built the sole and sensor assembly
- Developed the companion app in **pure HTML, CSS, and JavaScript** that pairs with the Arduino to receive and apply user-defined sensor calibration functions to the data, visualize the data with a video-player-like interface, and allow recording, playing back, trimming, and saving the data to a file

dbot – Discord Bot Jan 2021 – Aug 2021

- Created a Discord bot in **Node.js** to help manage a personal Discord server of 20+ users, track how many hours each server member used the voice chat, and adjust their rank accordingly
- Developed an accompanying **web interface** served by **Express.js** and communicates through a Socket.io connection, enabling features such as interactive graphs for voice chat data, sending embedded messages, and assigning roles to users based on reactions with emojis

Education

University of The Pacific Aug 2019 – May 2023

B.S. in Computer Science, GPA: 3.80 – *magna cum laude*

- Dean's Honor Roll: Fall 2021, Spring 2022 & 2023
- Received a **Recognition of Excellence in Engineering Design in Bioengineering** for Senior Project