Yen-Hung Lai
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Objective: To obtain an entry-level position in the Software Engineering field.

Education

Embry-Riddle Aeronautical University, Prescott, AZ — December 2019
Bachelor of Science, Software Engineering — **CGPA 2.77/4.0**

Computer Skills

Programming Languages: C, C++, Python, JavaScript, HTML, CSS, MySQL, MATLAB
Frameworks/Libraries: React, Material UI, Tailwind
Technical Tools: Git, GitHub, GitLab

Project Experience

Capstone Project (SchoolProtectorSoftware System) — Aug 2018 –Current

- Developed the requirements, design, code, and tests in a team for a school safety assessment software system used by security administrators at Embry-Riddle Aeronautical University. Presented the design in front of a panel of engineering faculties and defended it. Utilized a single page web application. Developed the frontend using React along with tailwind.css for styling. Utilized Firebase to store data and implemented backend functions to process user input data. The application was hosted using GitHub Pages.

React Clock Application

- Developed a single-page clock application using react.js and tailwind.css for styling. The application consists of a regular clock, a stop watch, and an alarm. This project was intended to enhance my React skills.

Command Line Interface Chat — Jan 2018–May 2018

- Developed the requirements, design, code and tests in a team for an interactive command line chat application using the web socket protocol and Node.js. The application allows clients to send private messages to each other and join rooms to group chat with other users. It also allows users to block other users.

Operating Systems Class Project:

- Coded a program in C that spawned three children processes from a parent process and provided various information about each child and the parent, such as the PID.
- Coded a program in C that spawned multiple threads from a process and provided various information about each child and the parent, such as the TID and PID.

Data Structures and Analysis of Algorithms Class Projects:

- Coded a program in C to implement a queue in a one-way circular linked list.
- Coded a program in C to implement a "little-end-up" heap inside an array and use the heap to build a Huffman tree from user supplied data.
- Coded a program in C to implement a binary search tree.

Club Involvement

- Computer Science Club
- Society of Asian Scientists and Engineers (SASE)
- Basketball Club

Awards and Certificates

- Dean's List, ERAU, Spring 2017