

**Yen-Hung Lai**  
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Github: <https://github.com/YenHungLai>  
Portfolio: <https://yenhunglai-portfolio.netlify.com>

**Objective:** To obtain a web development position.

## Education

Embry-Riddle Aeronautical University, Prescott, AZ  
**Bachelor of Science, Software Engineering**

December 2019  
**CGPA 2.82/4.0**

## Computer Skills

Programming Languages: JavaScript, HTML, CSS, Python  
Frameworks/Libraries: React, Redux, Vue, Node.js, Express, Flask, Material UI  
Technical Tools: Git, NPM, Gulp

## Work Experience

### **Incluvie Web Development Intern**

Aug 2019 – Current

- Work as a web development intern at Incluvie LLC, Boston. Use React, Firebase, and Node.js to build web applications. Responsibilities include implementing new frontend components, restructuring Firebase backend services, refactoring existing code, and developing new functional design.

## Project Experience

### **Capstone Project: SchoolProtectorSoftware System:** *Member of 4-person team*

- 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 front end using React along with tailwind.css for styling. Utilized Firebase to store data and implemented backend functions to process user input data. The application is hosted using GitHub Pages.

### **Fish E-commerce Application:** *Individual project*

- Developed a fullstack e-commerce application to sell my family's seafood products online. The user interface was built using React and Material UI. The backend was built using Google's Firebase, which consisted of user authentication, data storage, and client notification.

### **Web Crawler Application:** *Individual project*

- Created a web crawler that takes in an URL of a web page and provides information such as images, links, and texts of the page. The backend is created using Flask and Beautiful Soup, the user interface is implemented in Vue.

### **Cryptocurrency Trading Robot:** *Individual project*

- Developed a cryptocurrency trading robot that manages buying and selling operations of all major cryptocurrencies on the market, such as Bitcoin, Ethereum, XRP, etc. Developed using Python and the FCoin API. FCoin is the first global community-based digital trading platform. As of May 24, 2019 the application has been making steady profit every day.

### **Command Line Interface Chat:** *Member of 4-person team*

- 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.

## Club Involvement

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