

# Anh Lam Truong

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## Skills & Abilities

- Java | C | C++ | Python | HTML | CSS | SASS | JavaScript | Asynchronous Programming | AJAX
- Backend | Frontend | Full-stack | Website development | UX/UI Design
- Scikit-Learn | TensorFlow | Jupyter NoteBook | Node.js | Core.js | Parcel
- Clion | Ubuntu Linux | Kali Linux | Git | Oracle VM | Server Socket

## Projects

### **FORKIFY WEB APPLICATION** <https://github.com/ANHlamTRUONG/FORKIFY-APPLICATION>

- The recipe application is designed carefully in **MVC(Model-View-Controller)** Design Pattern.
- Using **JavaScript, SASS, HTML** to implement **API fetching** systems, advanced **DOM manipulation**.
- Implemented a high qualified standard of **Asynchronous function**, which saved more than **80% of time execution**.

### **MESSAGE SYSTEM/MULTI-CLIENTS** <https://github.com/ANHlamTRUONG/MESSAGE-PROJECT-CS401>

- The message system developed in **Java** is a **full stack** project with a GUI front end and **multi-client server back end** which runs on **server socket**, and **multi-thread** programming.
- Learned System design skills due to creation of **SRS** and **Design Documents**.

### **IMAGE COLOR ANALYZE** [https://github.com/ANHlamTRUONG/IMAGE\\_COLOR\\_ANALYZE](https://github.com/ANHlamTRUONG/IMAGE_COLOR_ANALYZE)

- An application using **Python, sklearn, Mathplotlib** that will use clustering to convert the nearby pixels in an image to the most seen color in the picture.
- Developed a strong foundation in mathematics, **matrix**, and **data manipulations**.
- Learned **K-means clustering** algorithms and dealing with data sets.

### **KMEANS DATA VISUALIZATION** <https://github.com/ANHlamTRUONG/KMEANS-VISUALIZATION.GIT>

- An application using **Python, sklearn, Pygame** that will allow users to visualize the k-means algorithms.
- Developed a strong foundation in mathematics, **matrix**, and **data manipulations**.
- Learned **K-means clustering** algorithms and dealing with data sets.

## Professional Experience

### **DATA STRUCTURES & ALGORITHMS/C++ FOUNDATION TUTOR | CSU EASTBAY | 01/2022 - PRESENT**

- Supported and Taught students understanding the concepts in such areas as **Data Structures and Algorithms** in **C++ language**, creating tailored lesson plans and study guides on subject matter.
- Provided homework assistance using specific curriculum and materials
- Projects have been through: Object Linked List, CardStacker, Double Linked List, Stack, Binary Seerch Tree, Min Heap

## Education

**BACHELOR OF COMPUTER SCIENCE | 08/2019-12/2022 | CALIFORNIA STATE UNIVERSITY EAST BAY**

GPA: 3.6