

Anh Lam Truong

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Skills

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

Experience

Data Structure and Algorithm/C++ Language Tutor

**STEM Lab,
CSU East Bay**

Hayward, CA, USA 01/2022 - Current

- Supported and taught **over 100 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.
- **Over 80% of students** being supported pass Data Structures class with an overall GPA of **3.5/4.0**.
- Provided homework assistance using specific curriculum and materials.
- Projects have been through: Object Linked List, Card Stacker, Double Linked List, Stack, Binary Search Tree, Min Heap, Hash Map

Pre-Calculus, Logic Math Tutor, Mentor

**STEM Lab,
CSU East Bay**

Hayward, CA, USA 08/2020 - 08/2021

- Supported and taught over **200 students** understanding the concepts in such areas as Pre-calculus and logic math, creating tailored lesson plans and study guides on subject matter.
- **Over 85% of students** being supported pass classes with an overall GPA of **3.6/4.0**.
- Advised **over 100 students** in academic life on campus, career path, and growth mindset in education.

Projects

- **Recipes Storing Web Application:**
 - Web **full stack** application designed in **MVC(Model-View-Controller)** Design Pattern.
 - Using **JavaScript, SASS, HTML** to implement **API fetching systems, OOP**, and **advanced DOM manipulation**.
 - Implemented a high qualified standard of **Asynchronous function**, which **saved more than 80% of time** execution.
 - Provide a **user- friendly interface**.
 - URL : <https://github.com/AnhLamTruong/Forkify-Application>
- **Message System / Multiple Clients Server:**
 - 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**.
 - URL : <https://github.com/AnhLamTruong/Message-Project-CS401>
- **Image Color Analyze / K-Means Data Visualization:**
 - An application using **Python, scikit-learn, 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 and applied K-means clustering algorithms to **compress data**; yet image **quality still maintained**.
 - URL : https://github.com/AnhLamTruong/Image_Color_Analyze
- **Banking System:**
 - An application were using **JavaScript, CSS, HTML** to implement the small banking application
 - Developed by using **advanced array manipulation, DOM manipulation** and **OOP**
 - Provide a **user-friendly interface**
 - URL : <https://omnifood-anh-project.netlify.app/>

Education

Bachelor of Science

**California State University,
East Bay**

Hayward, CA, USA 08/2019 - 12/2022

- Major in Computer Science
- GPA: 3.6