

# Anh Lam Truong

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## Skills

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- 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
- Adobe Audition | After Effect | Premiere Pro | XD | Figma

## Experience

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### 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

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- **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 highly qualified standard of **Asynchronous function**, which **saved more than 80% of execution time** to 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](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** to provide a **user-friendly interface**
  - URL : <https://github.com/AnhLamTruong/BanklistUpdated>
- **OmniFood Website Design:**
  - Designed and wrote an application in **HTML, CSS**, and **JavaScript** that will provide the High-qualified and **Responsive Design**.
  - Developed a strong foundation in **Media Queries, Flex-Box, Grid, DOM-manipulation**
  - URL : <https://omnifood-anh-project.netlify.app>

## Education

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### Bachelor of Science

California State University,  
East Bay

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

- Major in Computer Science
- GPA: 3.6