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

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: <u>Object Linked List</u>, <u>Card Stacker</u>, <u>Double Linked List</u>, <u>Stack</u>, <u>Binary Search Tree</u>, <u>Min Heap</u>, <u>Hash Map</u>

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 J**avaScript**, **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
- **Banking System:**
  - An application were using J**avaScript**, **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

Bachelor of Science	**California State University, East Bay**	*Hayward, CA, USA*	**08/2019 - 12/2022**

- Major in Computer Science
- GPA: 3.6