DYLAN PHE

Undergraduate Student - University of California, Los Angeles

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Education

B.S. in Computer Science

University of California, Los Angeles

May 2021 – 2023 | Los Angeles, CA

- Recipient of UCLA Louis Levoy Engineering Scholarship Fund Award 2021
- **Coursework:** Operating Systems, Software Engineering, Computer Architecture, Computer Security, Machine Learning, Artificial Intelligence, Computer Graphics, etc.

A.S. in Computer Science & Physical Science

Long Beach City College

June 2019 - May 2021 | Long Beach, CA

- Dean's Honors List ('19 - '21)
- Recipient of LBCC Foundation Scholarship 2020
- **Coursework:** Linear Algebra, Discrete Mathematical Structures, Physics for Sci. & Eng. - Mechanics, Electrical, Modern Physics, etc.

Work & Experience

Math Tutor

Opportunities For Learning

October 2019 – July 2023 | Long Beach, CA

- Developed technical mathematics learning resources for teachers and students.
- Collaborated with teachers to assist and ensure that students are on track to finish their classes.
- Collaborated with a co-worker to create an app that keep track of students' math progresses and their attendances

Freelance Translator

Ministry of Industry, Science, Technology & Invention

2017 – 2018 | Phnom Penh, Cambodia

- Translated over 150 patent protection documents issued by the Cambodian Government. (English-Khmer)
- Researched Industry-specific terminologies for the purpose of translation to ensure translated texts convey original meaning and tone.

Skills

- **Prog. Langs:** C, C++, Python, Java, R, Lisp
- **Web:** HTML, CSS, JS, React, Node.js, Perl, PHP, PostGreSQL, TypeScript, Angular, MongoDB, Redis, Neo4j

Projects

BruinNotes (Awarded Best Project)

University of California, Los Angeles

Class Project 2023

https://github.com/dylanphe/BruinNotes

- A centralized platform for sharing and archiving digital notes in UCLA courses, providing users with a simple yet feature-rich experience.
- Features includes user accounts, add & search courses, and user interactivities such as like, dislike, comments, share, request and report notes.
- Utilized React as a front-end library, Python's FastAPI and PyMongo as the backend frameworks connected to MongoDB database.
- Supervised by Professor Miryung Kim.

Wordle Plus

University of California, Los Angeles

Class Project 2022

https://github.com/dylanphe/werdle

- A recreation of the famous "WORDLE" web app officially run by The New York Times website.
- Additional features that allow players to play the game with either four, five or six letter words and as many times per day.
- Supervised by Dr. Paul Eggert.

Line Following Arduino Car Project

University of California, Los Angeles

Class Project 2021

https://github.com/dylanphe/Arduino-car

- Partially reconfigured a TI-RSLK car by fusing phototransistors as sensors to detect the change in light reflected from the track.
- Reprogrammed the sensor fused car to allow autonomous navigation through the track using Arduino software.
- Supervised by Dr. Dennis M. Briggs.

Notable Mentions: Security Evaluation of cURL 8.0.1 and Computer Graphic Game: Dodge can be found on dylanphe.github.io.