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:** Data Structures & Algorithms, Programming Languages, Operating Systems, Software Construction, Computer Architecture, Logic Design, Circuit Theory, 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

Mathematics Intervention Specialist
Opportunities For Learning

📅 October 2019 – Present   ⚲ Long Beach, CA

- Developing technical mathematics learning resources for teachers and students
- Collaborating with teachers to assist and ensure that students are on track to finish their classes
- Providing a free Introduction to Coding seminar to Students who are interested in pursuing Coding as careers.

Waiter
Sophy's Cambodian Town Foods and Musics

📅 March 2019 – October 2019   ⚲ Long Beach, CA

- Provided a positive customer experience with fair, friendly, and courteous service.
- Completed side tasks to maintain the coherence flow of good service under a fast-paced work environment.

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 convery orignal meaning and tone.

Skills

- **Prog. Languages:** C, C++, Python, Java, Ocaml, JS
- **Web:** HTML, CSS, JS, React, Node.js, Express
- **DevOps:** Unix, AWS, git
- **Design:** Adobe Photoshop, Adobe Audition

Projects

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 Worlde and as many times per day
- Implemented under supervision of 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-RLSK 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.
- Implemented under the supervion of Dr. Dennis M. Briggs

Thermodynamic Electricity
Western International High School

📅 Gold Medal Recipient of WIS School Fair 2018

- Researched and used thermodynamic laws to implement a generator that convert heat flux directly into electrical energy.
- Built a minimalist doll house to display how thermodynamic electricity generator can generate electricity.