CHANDARALONG PHE

UCLA - Bachelor of Science in Computer Science

✉ dylanphe.cs@gmail.com 📞 +1 562 676-1111 📍 Atlanta, Georgia ⦿ dylanphe 🔗 `https://dylanphe.github.io`

Education

University of California, Los Angeles 📅 May 2021 – August 2023

Bachelor of Science in Computer Science

Recipient of UCLA Louis Levoy Engineering Scholarship Fund Award 2021
Relevant Coursework: Algorithm and Data Structure, Computer Architecture, Software Engineering, Operating System, Computer Network, Computer Security, Data Management & Mining, Machine Learning.

Work Experiences

Coding Coach 📅 September 2023 – December 2023

The Coder School 📍 Redondo Beach, CA

- Guided and facilitated coding sessions for young learners, introducing them to fundamental coding concepts with focus on hands-on, interactive coding activities.
- Fostered a dynamic and creative learning environment, inspiring students to create and launch a multitude of projects, ranging from captivating games to functional utility apps and dynamic webpages through a diverse set of platforms such as Scratch, HTML/CSS, JS, Python, C++ etc.
- Effectively managed weekly cohorts with up to two students per session, streamlining coding sessions to maximize productivity and ensure tangible progress for all students while keeping parents informed of their child's progress.

Math Tutor 📅 October 2019 – July 2023

Options For Youth 📍 Hawthorne, CA

- Mentored over hundred students at various OFY locations across the Los Angeles area in Algebra, Geometry and Calculus, empowering them to build a strong mathematical foundation to successfully navigate the academic demands of college life.
- Cultivated a culture of clear and professional communication with parents, and instructors to offer guidance and unwavering support to students, facilitating their achievement of academic milestore.
- Leveraged Google Sheet and App Script for the automation of student attendance and math profienciency tracking within the charter school, contributing to an efficient and streamlined administrative process.

Projects

BruinNotes (Awarded Best Project) 📅 Class Project 2023

Supervised by Professor Miryung Kim, UCLA 🔗 `https://github.com/dylanphe/BruinNotes`

- Collaboratively spearheaded the development of a user-friendly platform, BruinNotes, addressing the need for a centralized hub where UCLA Students can easily share, find and collaborate on course notes.
- Employed React to create an engaging front-end interface, while utilized Python's FastAPI and PyMongo for the robust back-end infrastructure, all connected to a MongoDB database.
- Implemented a comprehensive user account system, providing users with effective course management capabilities and a spectrum of interactive features such as options to like, dislike, comment, share notes, etc.

Notable Mentions: Security Evaluation of cURL 8.0.1 - Line Following Arduino Car - Wordle Plus - Dodge Game - Machine Learning Models Analysis, Auto Plate Recognition

Technical Skills

Languages: Python, C++, C, Java, HTML/CSS, Javascript, MySQL, PostgreSQL, NoSQL, PHP, R.
Dev Tools & Frameworks: VS Code, Jupyter, Vim, Git, Linux, OOP, React, Node.js, Express, MongoDB, JUnit, Apache Spark.
Network: SSH, DNS, ARP, DHCP, TCP, UDP, IP, WAP Protocols, Switching/Routing algorithms, Computer and Network Security.