CHANDARALONG PHE

Recent UCLA B.S. Graduate in Computer Science looking for opportunities as a Software Engineer

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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 – Current

The Coder School
Torrance, CA

- Guided and facilitated coding sessions for kids to introduce them to the fundamentals of coding.
- Fostered a dynamic and creative learning environment by encouraging students to create interactive games, utility apps, and webpages using platforms such as Scratch, HTML/CSS, Javascript, Python, etc.
- Mentored students in completing coding projects and challenges to reinforce their coding skills.

Math Tutor
October 2019 – July 2023

Options For Youth
Hawthorne, CA

- Created engaging educational resources tailored to technical mathematics for educators and students.
- Fostered impactful collaborations with instructors to offer guidance and unwavering support to students, facilitating their achievement of academic milestones.
- Successfully automated student attendance and math proficiency tracking via Google Sheets and App Scripts.

Projects

BruinNotes (Awarded Best Project)
Class Project 2023

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

- Spearheaded the development of a user-friendly platform for sharing and archiving digital UCLA course notes, enriched with advanced features.
- Leveraged React to craft 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.

Security Evaluation of cURL 8.0.1
Class Project 2023

Supervised by Professor Peter Reiher, UCLA
https://dylanphe.github.io/sec_report.pdf

- Conducted a comprehensive security assessment of cURL, encompassing web research, code review with automated tools, and virtual environment testing.
- Identified and replicated four documented major security vulnerabilities in cURL 8.0.1.
- Concluded that cURL maintains satisfactory security due to manageable vulnerabilities and robust handling of edge cases and potential threats in the code.

Notable Mentions: 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, Angular, Node.js, Express, MongoDB, JUnit, Apache Spark.
Network: SSH, DNS, ARP, DHCP, TCP, UDP, IP, WAP Protocols, Switching/Routing algorithms, Network Security.