Phil Yang

philyang04@gmail.com • (510) 814-1098 • linkedin.com/in/philyang18 • philyang.surge.sh

Education

University of Southern California, Los Angeles CA Aug 2017 – June 2021 (Expected)
Bachelor of Science, Mechanical Engineering
Minor in Computer Programming
GPA: 3.47, Dean's List: 2 semesters

Skills

Languages: C++ • Java • Swift • HTML • CSS • PHP • JavaScript • MySQL • MATLAB
Technologies: React • Laravel • Bootstrap • MongoDB • AWS • Git • Siemens NX
Comp Sci. Coursework: 455: Programming Systems Design • 570: Analysis of Algorithms

Experience

Teaching Assistant for Professional C++ **Aug 2020 – present**
USC Viterbi School of Engineering Los Angeles, CA
- Administered 4 hours of weekly office hours

Teaching Assistant for Object Oriented Programming **Aug 2019 – present**
USC Viterbi School of Engineering Los Angeles, CA
- Graded 10 assignments, 1 final project, and 3 exams for 18 students per semester
- Administered 4 hours of weekly office hours

Enterprise Applications Intern **June 2019 – Oct 2019**
Los Angeles Unified School District Los Angeles, CA
- Managed 15,000 web pages to ensure responsive design and ADA compliancy
- Established the LAUSD Hall of Fame database by using a web form and SQL Server
- Reimplemented the front-end design of the Information Technology Desk pages
- Performed Quality Assurance Testing of LAUSD mobile app

Projects

Sorting Algorithm Visualizer/Timer **July 2020 – July 2020**
- Created an app to visualize/time merge, heap, quick, bubble, selection, and insertion sort
- Technologies: *React, JavaScript*

NASA Images **Jun 2020 – July 2020**
- Created a web app to display image archives from NASA
- Users can create an account and add images onto their 'favorites' list
- Technologies: *React, MongoDB, Express, NodeJs, AWS*

Smart Aquarium **Aug 2019 – Dec 2019**
- Sponsored by Nuhzdin Lab at USC to build a system of kelp tanks to simulate the ocean
- Developed a monitoring system with sensors, probes, and an Arduino
- Created a website on Losant IoT to display current data by using Java and a webhook
- Technologies: *C/C++, Java, Arduino, Losant IoT*

Please refer to philyang.surge.sh *for more details*