Spencer DeMera

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EDUCATION

California State University, Fullerton | Fullerton, CA December 2022
Bachelor of Science, Computer Science GPA: 3.65 / 4.00

Completed Coursework:

- Algorithm Engineering, File Structures & Databases, Operating Systems Concepts, Software Engineering, Web Back- End Engineering, Computer Organization

Upcoming Coursework (Spring 2022):

- Compilers & Languages, Computer Security, Computer Communications, High Performance Computing

TECHNICAL SKILLS

Programming Languages	C/C++, HTML/CSS, JavaScript, Python, C#, Java, MySQL, NoSQL, Redis, PHP
Operating Systems	Windows, Linux, UNIX, macOS
Tools & Technologies	React, React-Native, Hug, VS Code, Git, Figma

PROFESSIONAL EXPERIENCE

CSUF Theta Tau – Phi Epsilon Chapter | Fullerton, CA January – December 2021
Webmaster / Web-Developer

- Developed and Rebuilt entire website with HTML, CSS, and JavaScript to accommodate chapter needs. Maintained chapter website while adding additional features to better represent our chapter. Expanded website functionality to properly format for use on multiple devices. Worked with team of students on various large projects during development.

California State University, Fullerton | Fullerton, CA June – August 2021
Summer Research Assistant

- Conducted research for the National Science Foundation through Cal State Fullerton's ASSURE-US Program. Attempted to reduce redundancy and load of machine learning on GPUs and accelerate their performance by using YolOX. Aim to train most efficient and accurate model for our overall project so as not to have exuberant computational requirements.

California State University, Fullerton | Fullerton, CA March – August 2021
Undergraduate Research Assistant

- Funded by Department of Defense to optimize real time image processing for a self-navigating vehicle with a team of undergraduate and graduate students. Experimented with the PyTorch / Anaconda based machine learning system YoLOv5 to train and identify static and moving people and other objects in images and videos compiled by Stanford University.

TECHNICAL PROJECTS

StormyWeather App

- Used react-native to create a clean, simple, and user-friendly weather app for Android and later iOS.
- App uses OpenWeatherMaps's OneCall API to retrieve weather data and display it to the user via hourly, daily, and current atmospheric condition and weather reports
- App is currently on version 0.5.2 Beta and will be heading to the Google Play Store in the coming months.
- Utilized: React, react-native, OpenWeather API

Personal Portfolio Website

- Personal portfolio website to showcase both my skills as a web / mobile developer and computer science student.
- Website is design in Figma and written in React and vanilla HTML/CSS while being hosted on GitHub Pages.
- Utilized: React, HTML/CSS, Figma, Git