Emmanuel Gallegos

Computer Science Student, Junior Software Engineer

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Personal Site
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Education

Dec, 2020 **B.Sc Computer Science (Final Semester)**, *CSU East Bay*, Hayward, CA.

May, 2019 **A.S. Mathematics, A.S. Computer Science**, *Chabot College*, Hayward, CA.

Work Experience

6/20–Present **Mobile Software Engineer**, *T'ena Health Technologies*, San Francisco + Ethiopia (Remote).

5/20–Present **Research Assistant**, *iLab*, Hayward (Remote), Sponsored by CAHSI Virtual REU.

10/19 – 2/20 **Coding Instructor**, *KidzToPros*, Hayward + Castro Valley.

8/17 – 2/20 **Peer Tutor**, *Private Practice*, Chabot College + CSU East Bay.

Projects

OutReach I'm developing an Android application for T'ena Health Technologies to help bring tele-rehabilition services to patients living in remote areas of under-served nations. We hope to have a stable beta release ready to launch in Ethiopia by December, 2020.

Covid-ID I'm working with Professor Lynne Grewe and a team of graduate students to build a mobile application to increase situation awareness with respect to Covid-19. Within the larger group, my sub-team is focused on a module that uses infrared thermography and deep learning to identify individuals that pose a high risk of fever. I'm also a lead on the infrastructure team as I have significant experience in Android development.

Programming Skills

Languages Java, Python, C++, JavaScript, Bash, HTML/CSS

OS's Windows, Linux (Ubuntu 18.04, 20.04)

Tools TensorFlow, Anaconda, Jupyter, Git/GitHub, Android Studio, React, Mathematica, SSH

Achievements in IEEE

Xtreme In IEEE's 2019 Xtreme 24-hour hackathon, which included both graduate and undergraduate students from across the globe, our team of three undergraduate students placed fifth in the West Coast region and in the 95^{th} percentile internationally.

Micromouse Coordinator of the Micromouse engineering competition between various IEEE student chapters to be hosted at CSU East Bay. In addition, as leader of a competing team, I solved the algorithmic problem of mapping and executing an optimal traversal through a modular maze based on limited sensory input. Competition indefinitely postponed due to the pandemic.

Other Knowledge Areas

Languages English—Advanced, Spanish—Intermediate

Personal Creative Writing (Sci-Fi/Fantasy), Producing Digital Music with Ableton Live (Software), Comfortable on Saxophone, Clarinet, and Piano