Alfonso Rojas

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EDUCATION

University of Southern California– Los Angeles, CA   **Grad: Spring 2021**
Viterbi School of Engineering
Bachelor of Science in Computer Science
Relevant Coursework: Data Structures and Object-Oriented Design; Principles of Software Development;
Computer Graphics; iOS App Development

WORK EXPERIENCE

Computer Science Department – USC   **August 2019 – Present**
Course Producer
- Host weekly lab sections for 30 students enrolled in the Principles of Software Development course
- Explain complex topics during weekly office hours, debug code, grade assignments, and proctor examinations

PROJECTS

People Planning Web Application   **February 2019 – May 2019**
- Developed a web application using Java that allows users to create events easily and promote them on the site
- Implemented the front-end user interface using the Bootstrap framework as well as integrated a Google API to allow users to see current events around their area
- Incorporated a database using MySQL to store a user's account info along with any events they have created

Beat Per Minute   **February 2019 – April 2019**
- Implemented a PCG and an accelerometer using an Arduino microcontroller and connected it to an LED matrix that was sewn onto a jacket
- By reading in the values of the PCG sensor and accelerometer, the LED matrix would respond by mimicking the heart rate of the person wearing the device

ORGANIZATIONS

Center for Engineering Diversity – USC   **May 2018 – Present**
Student Advisory Board Member
- Collaborate with a team in charge of designing programs that enhances the academic, professional, and personal lives of underrepresented students pursuing engineering degrees
- Work to foster inclusion on school campus by organizing wellness fairs and professional workshops

Corpus Callosum – USC   **January 2019 – Present**
Team Leader
- Mentor and guide a team of 5 students during the semester by scheduling weekly meetings and setting deadlines to ensure they complete their semester-long projects that bridge art and engineering

Joint Education Project – USC   **January 2019 – Present**
Teaching Assistant
- Create lesson plans focused on Computer Science material to introduce students of South Los Angeles to an area of engineering
- Teach junior high school students by creating lectures and administering coding exercises to record their progress

SKILLS

Computer: Java, C++, Linux, JavaScript, HTML, CSS, MySQL, Bootstrap
Other: Native Spanish Speaker, Adobe Photoshop, Adobe XD, Arduino, Microsoft Office, Adobe Lightroom

AWARDS & HONORS

USC Leadership Scholarship   **August 2017 – May 2021**
Engineering Associates Award   **August 2019 – May 2020**