Bryce Perry

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PERSONAL STATEMENT

As a dedicated and highly motivated recent graduate holding dual degrees in Electrical Engineering and Computer Engineering, I bring a well-rounded background in digital systems design, embedded systems, programming proficiency in languages like C++, Python, and Java, and expertise in CAD software, circuit simulation tools, and PCB design. I am driven to apply my knowledge to solve complex problems and am enthusiastic about pursuing work and internships to hone my skills further and contribute to innovative projects.

EDUCATION

University of California, Irvine June 2023

Bachelor of Science in Electrical Engineering | *with Specialization in Communication Systems*

Bachelor of Science in Computer Engineering

WORK & EXPERIENCE

UCI Engineering Design Project – Guitar Note Recognition Jan. 2023– June 2023
Lead Engineer & Circuit Designer

- Led team in applying Discrete Fourier Transform to deconstruct guitar music into frequencies for note recognition, which was then displayed on a model guitar cutout.
- Designed, simulated, and oversaw the assembly of the electronic circuitry.
- Assisted in programming a DFT algorithm and in mapping registered frequencies to notes.

9Round | Huntington Beach, CA Sept. 2021– Feb. 2023
Personal Trainer & Kickboxing Coach

- Led diverse fitness sessions, customized training plans, simplified complex concepts, motivated clients individually and in groups.
- Gave instruction on various kickboxing techniques as well as free weight exercises.

UCI Independent Research | UC Irvine Aug 2019 – Dec. 2019
Embedded Programmer

- Worked independently & alongside other undergraduates in a small independent study to test the capabilities of Texas Instrument's MSP432 microcontroller.
- Worked alongside a professor to integrate various sensors for use with the microcontroller.

SKILLS

Programming Languages: Assembly (mostly RISC-V), C & C++, Embedded C, Java, Matlab, Python, and SQL.

Some familiarity with: CSS/HTML, Mathematica, PROLOG, and XML.

CAD: Cadence Virtuoso & Spice, Solidworks, Vivado (using both Verilog and VHDL), KiCad for PCB Design, MATLAB Simulink.

INTERESTS

Cooking, Barbequing, Kickboxing, Beer Microbrewing, DIY/Tinkering, Hiking, Golf.