Joseph Sizemore

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88 Charles St. Unit 4 Boston, MA 02114

Project Electrical Engineer at Lutron Electronics Co. with experience designing and evaluating panel mounted enclosures and printed circuit boards to support manufacturing and consumer needs.

Education

Graduate of Marquette University – Milwaukee, WI   GPA: 3.877/4.00
- Bachelor of Science Degree in Electrical Engineering   May 2021
  - Minor in Business Administration
- Dean's List for all 8 semesters

Graduate of Rockhurst High School – Kansas City, MO   May 2016
- Honor roll for all 8 semesters   GPA: 4.00/4.00

Engineering Experience

Lutron Electronics Co. – Project Electrical Engineer   June 2021 – Present
- Design and support bring-up of programmers and end-of-line-testers for manufacturing
- Probe circuits to validate new product design

Electronic Projects – Personal Hobby   2015 – Present
- 3D printed light up touch-sensitive juggling balls
- Persistence of Vision clock made from hard disc drive

Marquette University – Undergraduate Research Assistant   October 2017 – May 2021
- Modified incubator to improve temperature control, regularity, and accuracy
- Wrote code for moisture and oxygen sensors in gardens on Marquette's campus
- Designed cheaper alternative to current datalogging systems based on open-source hardware

Extreme Engineering Solutions – Design Testing Co-op   January 2019 – August 2020
- Captured oscilloscope measurements of traces feeding surface mount components
- Verified performance of all major IC's and communication interfaces on single board computers
- Analyzed electrical schematics and printed circuit board routing for potential issues

Interactive Design – Summer Intern   June 2016 – August 2017
- Programmed FANUC six-joint robot in simulator to grab and stack boxes
- Drafted electrical schematics in DraftSight for high and low voltage control panels of a cell

Activities and Interests

Juggling Club – Marquette: Founder | Rockhurst: President
- Organize and manage practices for the juggling club

Tau Beta Pi – Member
- High school tutoring

Eta Kappa Nu – Member

Boy Scouts – Eagle Scout

Creative Writing Society – Member

Technical Skills

Hardware – Surface Mount Soldering, Oscilloscopes, Panel Layout and Wiring, System and Circuit design
Software – Python, Java, C, Visual Basic, Matlab, SQL, FANUC robot programming
CAD – Altium, Eagle, LTspice, Multisim, VHDL, NX 10, SolidWorks