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Jenna Neer

5000 N. Willamette Avenue
Portland, OR 97203
(503) 943-8000
pilot14@up.edu

Dedicated Electrical Engineering major with solid range of technical skills. Excellent interpersonal skills combined with experience working in professional team environments through academic coursework and professional experiences.

EDUCATION

University of Portland | Portland, OR

B.S., Electrical Engineering

Expected May 2019

University of Portland Salzburg Program | Salzburg, Austria

Summer 2018

TECHNICAL SKILLS

MATLAB, Java 6, C, B²Logic, LINUX, B²Spice, PSPICE, LEDIT, Microsoft Office Applications

RELATED COURSEWORK AND PROJECTS

CE Amplifier Design and Build

Spring 2018

- Independently created hand-design using circuit analysis techniques, simulated and verified hand analysis using PSPICE, and built and tested circuit in the lab
- Formulated a final professional-style report summarizing the successful design of a CE Amplifier

Design of a Hardware Binary Integer Sorter

Spring 2018

- Designed a digital hardware binary integer sorter, using B²Spice and standard 74-series devices, to take in four 8-bit binary numbers and display the results on LEDs and 7-segment displays
- Authored an eleven page technical report to summarize design and operation of the sorter

Theoretical Logic Design

Fall 2017

- Implemented hierarchical design techniques to design and test a BCD-to-Seven Segment Decoder using only NAND gates with B²Logic
- Exhibited a successful design and summarized procedure in a formal report

Freshman Design Competition

Fall 2016

- Collaborated with a team of four to conceive, design, build, and competitively demonstrate a wooden device that could stack blocks, within a limited time, by remote control
- Overcame challenges of cost allowances and limited resources
- Summarized the process, design project tests, and results of the competition in a 12-page technical report and presentation to faculty members and 100+ engineering students

RELATED EXPERIENCE

Media Services Technician | University of Portland | Portland, OR

Spring 2017 - Present

- Provide technical support and assistance in operating media equipment to students, faculty and staff on campus
- Deliver, set up, and disassemble technical equipment in classrooms and facilities
- Employ troubleshooting skills, gaining vital teamwork experience and gaining knowledge in customer service techniques

Remodel Employee | Jo-Ann Fabrics and Crafts | Woodland, CA

Summer 2016

- Participated in a nationwide store remodel to manually reconstruct display structures
- Learned to work with tight deadlines in high pressure environment