**LUCIANA SILVA**

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**OBJECTIVE**

To obtain an electrical engineering internship with Medtronic in product development and testing

**SKILLS SUMMARY**

• Extensive laboratory experience constructing and analyzing circuits using oscilloscopes, source meters, spectrum analyzers, and multimeters

• Background in programming, including Python and VHDL

• Ability to use Matlab, PSpice, LTspice, and Vivado

**EDUCATION**

California Polytechnic State University, San Luis Obispo

**Bachelor of Science in Electrical Engineering** June 20xx

GPA: 3.49, Deans List - 3 quarters

**RELEVANT COURSEWORK**

Electric Circuit Analysis, Digital Design, Computer Design and Assembly Language, Continuous and Discrete Time Signals and Systems, Semiconductor Device Electronics, Digital Electronics and Integrated Circuits, Classical Control Systems

**TECHNICAL PROJECTS**

**Intelligent Ground Vehicle Competition Team Member** 2/xx - Present

• Collaborate with IGVC team members to build an autonomous golf cart

• Work on the gear shifting circuit board, fabricate encoders, and revise the motherboard (contains the MCU)

**Rat CPU and Assembly Programming Project** 1/xx - 3/xx

• Developed a functional CPU in VHDL, incorporating modular design and a custom assembly language

• Incorporated completed CPU with external peripherals to run an assembly language program

• Programmed the video game Snake in assembly language to play on a VGA screen using a keyboard

**Resource Conservation with Digital Design** 5/xx - 6/xx

• Created a directional motion sensor to mount on a door frame using phototransistors, infra-red LED’s, and an FPGA board

• Programmed FPGA using VHDL to track the number of people in a room, turning the lights off when zero occupants are present

**LEADERSHIP & INVOLVEMENT**

Event Coordinator, Cal Poly Robotics Club 20xx - 20xx

Member, Society of Women Engineers 20xx - Present

**OTHER WORK EXPERIENCE**

**Customer Service Representative** 02/xx - Present

Tennis Warehouse, San Luis Obispo, CA