

LUCIANA SILVA

lsilva100@calpoly.edu

(805) 844-7001

linkedin.com/in/lucianasilva

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