Engineer Aggie

(575) 555-0000 • estudent@nmsu.edu • linkedin.com/in/student

CAREER OBJECTIVE
Seeking an electrical engineering position. Experienced in AC/DC motors devices, high voltage cabling, and preliminary electrical designs. In-depth knowledge of control and power delivery systems.

EDUCATION
New Mexico State University, Las Cruces, NM   **GPA: 3.6**
Candidate for Master of Science in Electrical Engineering   **December 2023**

New Mexico State University, Las Cruces, NM   **GPA: 3.87**
Bachelor of Science in Electrical Engineering   **December 2021**

RELATED COURSE WORK

Computer Architecture Design	CMOS & VSLI Design	High Speed Digital Design
Hierarchical Digital Design	Analog & Mixed Signal IC Design	Digital System Design
Electron Devices	Linear Integrated Circuits	Integrated Circuits
Microwave Devices and Circuits	Numerical Methods for Engineers	Digital Signal Processing

TECHNICAL SKILLS
- *Scripting/Programming Languages:* C, Perl, HTML, Matlab
- *Engineering Tools:* Xilinx ISE, L Edit
- *Tools/Packages:* Synopsys VCS, ModelSim, Pspice 9.1, MS Office, AutoCAD
- *Platforms/Environments:* DOS, Windows (Me, 2k, XP, Vista), MS-DOS, UNIX, Linux

RELATED PROJECTS
Circuit Data Analysis, New Mexico State University, Las Cruces, NM   **Fall 2021**
- Built different Op-Amp using the TI LM741 chip and compare to ideal result provided in datasheets
- Designed the unity gain, non-inverting and inverting ideal Op-Amp circuit in LTSpice and ran simulation
- Constructed the circuit using real components on a breadboard using an oscilloscope to read results
- Produced in real circuit with percent error of less than 3% when compared to ideal results

Digital to Analog Converter, New Mexico State University, Las Cruces, NM   **Spring 2019**
- Designed, verified and documented Pulse Width Modulated (PWM) Digital to Analog Converter
- Determined filter type, ordered filter, and implemented filter design using Python and LTSpice
- Produced Butterworth Filter of a 3rd order with ability to read in as much as 10 bits

EXPERIENCE
Computer Lab Assistant, ICT, New Mexico State University, Las Cruces, NM
January 2019 - Present
- Applied technical knowledge and excellent customer service while assisting student lab users
- Perform routine and preventive maintenance of computer lab and classroom equipment
- Troubleshoot malfunctions of hardware and software applications for the purpose of determining appropriate actions to maintain computer lab operations

Electrical Assistant Intern, Northrop Grumman, Linthicum, MD
May 2021-July 2022
- Monitored and controlled pressure, temperature and volume of fluids using an automated system.
- Provided support to the lead Electrical Engineers in tasks such as part and assembly drawing/design or classification, engineering analysis and testing

ACTIVITIES
Ambassador, College of Engineering, New Mexico State University, Las Cruces, NM
August 2018 - May 2021
- Conducted campus tours for prospective students and new students
- Developed relationships within the community to recruit future NMSU Engineers