

Loic Herve Djamen Tchabda

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Objective

Electrical Engineer senior student seeking to secure an Engineering position and acquire more experience in the field, the next step in making change around me and ultimately in my native community.

Education

Bachelor of Science in Electrical Engineering | 4.2 Cumulative GPA | 4.24 Engineering GPA

❖ **University of New Mexico (UNM), Albuquerque, NM.**

Graduation date: May 2018

Relevant Coursework: Analog and Digital Circuit Design, Computer Logic Design with FPGA Programming, Digital VLSI Design, Materials and Devices, Microprocessors, Communication Systems, Control Systems, Power Systems.

Skills

Hardware/Instrumentation:	Oscilloscope, Signal Generator, Multimeter, Arduino, NI ELVIS Board, serial communication protocols, Raman Spectroscopy, AFM (atomic force microscopy)
Software Skills:	Excel, Word and Microsoft products, ISE Design Suite, Vivado Design Suite, and L-edit.
Programming:	NI LabVIEW, NI Multisim, MATLAB, C, VHDL, SPICE, Basic PLC programming
Strengths:	Leadership, Group Collaboration, Commitment, Self-motivation, Creativity, and Imagination.
Languages	English, French

Research

CHTM, Albuquerque NM Materials science and microelectronics Research Assistant Sep. 2016 – May 2017

- ❖ Studied the change of MoS₂'s Raman peaks as a function of thickness and substrate variations.
- ❖ Helped in the lab with PDMS fabrication and materials characterization.
- ❖ Collaborated weekly with team members and assisted in solving devices' fabrication and malfunction problems.
- ❖ Performed MATLAB 3D Simulation of monolayer MoS₂'s strain distribution for different forms of bending.

UNM Undergraduate Research Assistant

Feb. – May 2017

- ❖ Performed and assisted in the extraction and analysis of Plasma data as well as in fixing and maintaining probes.

Work Experience

Dynamic Commsource, 4121 Prospect Avenue, suite B Albuquerque NM, 87110

Aug. 2017 – Present

- ❖ Testing phone systems and troubleshooting electronic components.

Academic Projects

- ❖ Designed the layout of a CMOS camera chip for low cost and low power imaging system.
- ❖ Designed an ultrasonic radar with display for close object detection.
- ❖ Designed a calculator on NI LabVIEW composed of all basic operators and a few scientific functions.
- ❖ Designed and tested an 8-ohm-output-resistance audio amplifier with high input resistance.
- ❖ Designed a fast Fourier transform based spectrum analyzer on Zynq7000 SoC FPGA.
- ❖ Worked on the programming of MIPS microprocessor in embedded system.

Activities and Awards

- ❖ Awarded Outstanding Engineering Sophomore of the year 2015 - 2016. UNM – Engineering School
- ❖ Awarded Outstanding Senior of the year 2017 – 2018. UNM – ECE Department
- ❖ Volunteering for NSBE community involvement activities and at the church Heritage Christian Fellowship.
- ❖ Volunteered as a leader for incoming freshmen at the University of New Mexico, helping with registrations.