# Shada Sharif

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Goal:    To attain a career as an analog/mixed signal design engineer.

## EDUCATION
**University of Nevada, Las Vegas,** Howard R. Hughes College of Engineering
B.S., Electrical Engineering; Magna Cum Laude; Dec 2016; <u>GPA: 3.95</u>
*Coursework***:**
- ❖ Solid State Device Fundamentals; Microelectronics; Electromagnetics; Digital Logic Design; Signals and Systems; Feedback and Control Systems; Programming with C++; Professional Ethics
- ❖ Labs: Electronics; Control System Simulation; Circuit Design; Microcontroller Systems Design

**University of Nevada, Las Vegas,** Howard R. Hughes College of Engineering
M.S., Electrical Engineering; Dec 2018; <u>GPA: 4.00</u>
*Concentrations***:**
- ❖ Electronics, Communication, Power Systems, and Solid State

## LEADERSHIP
**IEEE**: *Member* | Nov 2013 – present
- ❖ Attended general meetings, and guest speakers events

**Practical Electronics Club** *Vice President* | Nov 2013 **–** present
- ❖ Organized club meetings, and suggested future projects

**Tau Beta Pi, Engineering Honor Society** *Member* | May 2015 – present
- ❖ Officially initiated on May 2nd, 2015

**AEE**: *Member* | Oct 2017 – present
- ❖ Attending general meetings

**Society of Women Engineers**: *Member* | Jan 2018 – present
- ❖ Attending future general meetings

## EXPERIENCE
**INDEPENDENT STUDY (Delta Sigma Modulator ADC using 130nm fabrication process)**
- ❖ Designing DSM ADC, fabrication on a chip, and testing chip
- ❖ Designing KD1S ADC, DSM that involves time interleaving

**MAX TECH & BEYOND**
- ❖ Field tests of a power optimizer on home appliances to help in energy savings

**LAB ASSISTANCE**
- ❖ Soldered components on circuit boards; surface mount
- ❖ Assembled chassis kits for beginner engineering classes

**TEACHING ASSISTANCE**
- ❖ Assisting graduate students and grading class homework

**INDEPENDENT STUDY (Fine Grained Classification/Machine Learning)**
- ❖ Experience with installing Caffe on Ubuntu
- ❖ Creating a Dataset for training a machine using FGC

**SENIOR DESIGN**
- ❖ Orthopedic boot add-on device for measuring pressure, displays pressure, count steps, and stores data
- ❖ Used to prevent compartment syndrome disease

## SKILLS
- ❖ Software: C++, Python, LTSpice, Microsoft Office, MATLAB, Altium PCB, KiCAD PCB, Atmel Studio, Quartus, Cadence Spectre & Virtuoso, Caffe
- ❖ Hardware: oscilloscope, function generator, power supply, digital multimeter
- ❖ Technical: soldering, troubleshooting, wire bonding

## AWARDS
- ❖ 2nd place winner in Electrical & Computer Engineering at Fred & Harriet COX Senior Design Competition