

## **Eric Monahan**

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### **ELECTRICAL ENGINEER**

MSEE graduate possessing a solid comprehension of analog and digital circuit design including experience with Cadence EDA software and LT Spice. Primarily focused on microelectronics and transistor level circuit design. Excellent interpersonal and communication skills.

### **EDUCATION**

#### **University of Nevada-Las Vegas**

Bachelor of Science in Electrical Engineering (BSEE), 5/2017 · Cumulative GPA: 3.69/4.00

Master of Science in Electrical Engineering (MSEE), 12/2018 · GPA 3.96/4.00

### **SOME EXAMPLE SKILLS AND PROJECTS**

- Cadence Virtuoso and Spectre
- CMOS characterization
- DLL design in SDRAM
- K-Delta-1-Sigma Modulator in LT Spice
- CMOS Switching Power Supply in Cadence
- CMOS Voltage Follower using a high-speed CMOS op-amp
- CMOS Transimpedance Amplifier
- Labs I authored: <http://cmosedu.com/jbaker/courses/ee421L/f16/students/monahan/>

### **RELEVANT UNIVERSITY COURSEWORK**

Memory Circuit Design · Mixed Signal Circuit Design · Advanced Analog IC Design  
Engineering Electronics I & II · Engineering Electronics Lab I & II · CMOS Digital IC Design and Lab  
Math and Physics for Engineers I & II · Solid State Devices and Lab · Computer Logic Design I & II

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### **ACHIEVEMENTS**

Dean's List · **University of Nevada-Las Vegas** · Fall 2016 · Spring 2014, 2016

Member · UNLV Tau Beta Pi · Engineering Honor Society

UNLV College of Engineering 2017 Spring Senior Design Competition Grand Prize Award Winner

UNLV College of Engineering 2017 Spring Senior Design Competition Sustainability Award Winner

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### **WORK EXPERIENCE**

**University of Nevada, Las Vegas** (December 2016 - present)

Graduate Research Assistant

- Design ASIC's for fabrication using On's C5 Process and ams's S35D4 SiGe BiCMOS Process
- Design and fabrication of interleaving Fast Transient Digitizer test IC

**Vegas VIP · Las Vegas, NV** (August 2013 – August 2015)

**Elite Transportation · Las Vegas, NV** (February 2012 – July 2013)

**Mammoth Transportation · Las Vegas, NV** (November 2006 – February 2012)

*Vegas VIP, Elite Transportation, and Mammoth Transportation are luxury travel companies providing concierge services and transportation through insured, certified carriers in the Las Vegas, NV area.*

Sales Representative / Driver

- Developed a sales network of affiliates providing entertainment, leisure, and concierge services.
- Marketed and coordinated high demand specialty limousine transportation services for clients.