

Princess Martinez

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EDUCATION

University of Florida

Gainesville, FL

Bachelors of Science in Electrical Engineering

Expected Graduation: **May 2017**

Physics Minor

GPA: 3.50

- **Relevant Coursework:** Microprocessor Applications, Digital Logic Design, Digital Design, Acoustics, Signals and Systems, Elementary and Electronic Circuit Design, Electromagnetic Fields, Modern Physics, Quantum Mechanics

EXPERIENCE

Micro-electronic Integrated System Technology (MIST) Center

Gainesville, FL

Undergraduate Research Assistant, Acoustics

March 2016 - Present

- Development of infinite plate MEMS microphone calibration method involving the use of an ionophone and anechoic chamber

Electrical and Computer Engineering Department

Gainesville, FL

Teaching Assistant, Electronic Circuits

Jan. 2016 - Present

- Instruction, supervision, and evaluation of students in various lab assignments, of which include; voltage regulators, diodes, LTSPICE, filters, MOSFETs, op amps, and CMOS logic

McKnight Brain Institute, Department of Neuroscience

Gainesville, FL

Undergraduate Research Assistant

April 2015 – Sept. 2015

- Collaboration with development team members in the design and construction of an classical conditioning chamber for marijuana research
- Formulation of reward system operable with Arduino microcontroller and Colburn levers

University of Florida

Gainesville, FL

Office of Student Financial Affairs, Student Assistant

April 2014-Present

- Supervised multifaceted clerical tasks (e.g., data entry, filing, and records management)
- Instruction of multiple new employees to perform job duties with success and accuracy

SKILLS

- **Hardware:** Microprocessors, FPGA, Arduino, analog and digital circuit design with the use of oscilloscopes, frequency generators, and power supplies, soldering
- **Software:** Atmel Studio, MATLAB, SPICE, Quartus, AutoCAD, Inkscape, Fritzing, Analog Discovery, Altium Designer
- **Languages:** C, C++, Assembly, VHDL

HONORS AND AWARDS

- Dean's List – University of Florida, College of Engineering
- Bucket-Milikin College of Engineering Scholarship Recipient
- Florida Bright Futures Academic Scholar