

# Daniel Wells

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## Objective

To apply concepts learned in the classroom to practical engineering problems, and gain valuable on-the-job experience.

## Education

### **Bachelor of Science in Electrical Engineering**

**Dec 2017**

University of Florida, Gainesville, FL

Minor: Computer and Information Science and Engineering

GPA: 4.00/4.00

2015 Anderson Scholar with Highest Distinction

Member of the Honors Program

**Relevant Coursework:** Digital Signal Processing, Microprocessors, Programming Fundamentals for CIS Majors I and II (Java and C/C++), Data Structures, Signals and Systems, Discrete Mathematics, Circuits II, Electronic Circuits I

## Skills

Programming languages: Java (Intermediate), C (Intermediate), C++ (Intermediate), MATLAB Scripting (Intermediate), Assembly (Intermediate), VHDL (beginner)

Computer Applications: MATLAB (Intermediate), LTSPICE (Intermediate), Office (Intermediate), Quartus II (Intermediate), Code Composer (Intermediate), MPLAB (Beginner), PuTTY (Beginner), Atmel Studio (Intermediate)

Circuit analysis/building: Handheld Meter (Intermediate), Soldering (Intermediate), Wire Wrapping (Intermediate)

Hardware: Xilinx development tools (basic utilization of FPGAs and ARM processors on a Zedboard)

Training: ITAR (International Traffic in Arms Regulations)

## Undergraduate Research

CHREC (Center for High Performance Reconfigurable Computing) CSP Division

**August 2014- Present**

- Volunteering at the NSF funded CHREC Space Processor Lab (CSP), where I am currently working with Systems Tool Kit for mission planning and scheduling needs
- The University of Florida, the lead university for CHREC, works closely with NASA, along with 30 other industry, government, and academic partners to research the possibilities of reconfigurable computing

## Work Experience

**Student Trainee**, National Aeronautical and Space Administration (NASA)

**June 2015 – Present**

Kennedy Space Center (KSC), Florida

- Worked as part of the Computer Systems Hardware Branch of the Engineering Directorate at KSC
- Required to assist on multiple projects in different phases of development, in both software and hardware capacities

**Teaching Assistant**, University of Florida

**January 2016 – April 2016**

Gainesville, Florida

- Manage one of the lab sections for Electronic Circuits, ensuring students are able to apply knowledge learned in class to the real world
- Hold office hours to assist students and grade lab reports submitted at the end of each experiment

**Percussion Technician**, West Orange High School

**June 2014 – August 2014**

Winter Garden, Florida

- Coached the percussion section in both musical and visual capacities as related to marching band
- Worked effectively with a team of fellow staff all dedicated to the success of the 38 member percussion program

## Leadership and Involvement

**Vice President**, Eta Kappa Nu (HKN) UF Chapter

**January 2015 – Present**

- Oversee and coordinate efforts for the chapter, including internal growth and external outreach events

**Executive and Administration Director**, Employer Relations Ambassadors (ERA)

**March 2014 - Present**

- Working alongside the rest of the E-Board to maintain and develop our young organization
- In charge of all internal efforts, including meeting planning and the organization's website

**Host**, University of Florida Career Showcase

**January 2014- Present**

- Aiding in set-up, registration, and help desk for 2 day employment event serving over 300 employers and approximately 8000 students