# **David Hayes**

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#### **OBJECTIVE**

An employment opportunity in a Electrical Engineering related field.

#### **EDUCATION**

The Ohio State University – Columbus, OH

B.S. Computer Science and Engineering (Incomplete)

2013-2015

**The University of Oklahoma** – Norman, OK Major GPA: 3.8

B.S. Electrical Engineering (In Progress) 2016-2018

### **EXPERIENCE**

# Fundamentals of Engineering Honors (FEH) Robot Project

Spring Semester 2014

• Member of one of over 60 teams that designed and implemented a completely autonomous hardware, software and electrical solution to a first year honors engineering robot competition.

### **Programming**

- In C
  - o Implemented various data structures to complete various projects.
- In Java
  - o Implemented a Context Free Grammar for a simplistic programming language (Tokenizer, Parser, Code Generation)
- In Matlab
  - o Created various GUI related projects that interface with other programs such as HFSS for radar engineering applications at the Advanced Radar Research Center.

# **Electrical**

- Created parts that interfaced with a control board for the FEH robot project to scan, drive, get gps data, etc.
  - o Soldering and circuit design/construction
- Created various discrete component circuits to complete various tasks as a part of an electronics lab
  - Designed and implemented a robot for a class competition that was controlled and driven with only discrete components.

### **SKILLS**

- Programming Experience C, Java, and Matlab.
- Writing Skills Ability to efficiently produce concise, organized reports, labs and memos.
- Electrical Experience designing and building various discrete component circuits.

## **EMPLOYMENT**

• PECOT –Plastic Engineering Company of Tulsa – Tulsa, OK

Summer 2015

- o Assembly line work
- Chase Lawn and Landscape

Summer 2016

- Lawn maintenance and construction
- Advanced Radar Research Center at the University of Oklahoma

Summer 2017-Present

o Undergraduate research assistant

### **HONORS AND AWARDS**

### **FEH Robot Project**

Spring Semester 2014

- 1<sup>st</sup> Place Best Engineered
- 3<sup>rd</sup> Place Most Innovative