

# Sarah D. Tran

8517 Bellmon Ave.  
Oklahoma City, OK 73149

405.837.2614  
sarah.tran.2121@gmail.com

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## **EDUCATION**

**The University of Oklahoma**, Norman, OK  
**Bachelor of Science in Electrical & Computer Engineering**  
Expected Graduation Date: December 2016  
**GPA: 3.86**

**Moore-Norman Technology Center**  
**Pre-Engineering Program**  
August 2010-May 2012  
**GPA: 4.00**

## **JOB EXPERIENCE**

### **NASA Kennedy Space Center**

*Regolithics R<sup>3</sup> Robotics Swamp Works Intern-- Fall and Winter 2015*

- Generated diagrams for electrical controls of the ISRU Regolith Feed Soil Delivery System and physically integrated the encoder with the motor and other hardware.
- Designed the electrical interface for the Pathfinder Lander Recharge System, creating 3D models of the rover and other various parts, generated a list of requirements and parts, and build a proof of concept in the machine shop.
- Built a Visio model of the electrical controls and power supply system within the Atmospheric Processing Module and demonstrated LabVIEW program.

### **Shell Global Energy Company**

*Process Automation Control & Optimization Intern – Summer 2015*

- Led the effort to gather 48+ interns and provide means of networking with one another and with full-time employees.
- Utilized previous C language knowledge to adapt to script in VBA programming Macros.
- Develop Standard Operating Procedures for Instrumented Safety Function's Baselaye Failure Calculation as well as interfacing with the database in SAP.
- Foster effective communication skills and the ability to absorb vast amount of technical knowledge and skill.

### **Chevron Phillips Chemical Company**

*Electrical Engineering Design Intern- Summer 2014*

- Assigned projects related to instrumentation design, compressor programmable logic controllers, and hardware/software factory acceptance tests.
- Worked in small and large groups to gain knowledge, communicate research, brainstorm, and complete tasks.
- Immersed into industry of chemical plant, worked with various operators, engineers, and other disciplines.
- Led safety topics weekly and communicated final project results to management and corporate leadership.

### **Best Buy-Geek Squad**

*Computer Sales Associate/Geek Squad Consultation Agent-April 2012-January 2014*

- Diagnosed customer's technical needs, sold appropriate services, overcame obstacles, and gained advanced knowledge of computer hardware and software.

## **SKILLS**

Interpersonal Communication

Literate in AutoCAD/Creo Parametric

C/LabVIEW/VBA/Multisim

Proficient in Microsoft Suites

Strong Leadership Capabilities

Trained with Electrical Equipment

Instrumentation Background

Mbed/Microprocessor Experience

CNC/Bandsaw/Machine Shop Experience

Eagle Software Capable

Familiarity with Mechanical Flow

Diagrams, ILD's, PLC's, etc

## **HONORS AND ACHIEVEMENTS**

- Valedictorian - Class of 2012
- OU Engineering Dean's Honor Roll
- Multicultural Engineering Program Scholar
- PH Robinson Fellowship Scholar
- William Barker Scholarship Recipient
- Sooner Heritage Scholarship Recipient
- Michael F. Price Scholarship Recipient
- Oklahoma Academic Scholar

## **ACTIVITIES/VOLUNTEER WORK**

- FIRST Robotics Team Captain/Mentor
- Lego Mindstorm Robotics Mentor
- OU WECE Publicity Chair
- OCU International Student English Tutor
- Team 1742 Alumni Chair
- Big Brother/Big Sisters of Oklahoma
- Calvary Child Care Development Center Volunteer

## ***REFERENCES***

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### **Kevin Wood**

#### **Process Engineer Supervisor**

Chevron Phillips Chemical Company  
21689 Texas 35  
Sweeny, TX 77480  
(979) 491-5500

### **Jason Rausch**

#### **Associate Director of Curriculum and Instruction**

3939 Priority Way South Drive  
Suite 200  
Indianapolis, IN 46240  
(317)669-0846  
jrausch@pltw.org

### **Ashley Larrabee**

#### **Geek Squad Manager**

1409 W. I-240 Service Road  
Okc, OK 73159  
(469)855-0039