

# Karmyn McKnight

Duke Box 96075 – Durham, NC 27708 – (949) 243-2500 – karmyn.mcknight@duke.edu – karmynmcknight.com

## Education

---

### Duke University, Pratt School of Engineering, Class of 2015

August 2011 - Present

BSE: Biomedical Engineering & Electrical and Computer Engineering

Minor: Theater Studies

GPA: 3.37 SAT: 800 Math / 800 Writing / 730 Critical Reading

## Work Experience

---

### Endologix, Inc.

May 2014 - Present

*Manufacturing Engineering Intern – Irvine, California*

- Design 3 new fixtures for use in production to allow greater control over process parameters for a Class III medical device
- Write test protocols and reports to qualify changes to existing processes and equipment
- Design line layout for new manufacturing facility to increase production space efficiency by 50%

### Department of Electrical and Computer Engineering

August 2013 - Present

*Teaching Assistant – Duke University*

- Run the laboratory section of the class “Fundamentals of Electrical and Computer Engineering”

### Endologix, Inc.

June 2013 - August 2013

*Operations Intern – Irvine, California*

- Updated over 100 documents for implementation in a streamlined document control system.
- Improved the system of organization for more than 1000 pieces of equipment

### Thompson Writing Program

September 2012 - May 2013

*Undergraduate Writing Partner – Duke University*

- Conducted 1-on-1 tutoring sessions to assist undergraduate students with writing assignments

### Tompkins International

May 2012 - September 2012

*Engineering Intern – Mission Viejo, California*

- Analyzed warehouse inventory data to increase efficiency on 4 different projects
- Designed a user interface for a new data analytics benchmarking system

## Leadership Experience

---

### Hoof ‘n’ Horn

April 2013 - Present

*Vice President, Producer of Children’s Theater – Duke University*

- Organize the production of musicals through a student-run theater organization
- Coordinate schedules from more than 10 students and 5 schools

### Girls Engineering Change

January 2013 - Present

*Chief Programming Officer – Durham, North Carolina*

- Develop projects for 1-day mentorship sessions to encourage and motivate more than 100 young girls to consider careers in engineering and the hard sciences

### Duke Athletics and Undergraduate Basketball Operations

September 2012 - Present

*Vice President, Personnel – Duke University*

- Ensure the safety of the 1200-person student section in Cameron Indoor Stadium for men’s basketball games
- Manage and maintain accountability amongst a team of 25 student leaders

### Hoof ‘n’ Horn

April 2012 - May 2013, April 2014 - Present

*Technical Supervisor – Duke University*

- Lead and organize technical elements for 10+ productions put on by a student-run theater organization with 100+ students

## Skills and Interests

---

**Skills:** Solidworks, MATLAB, AutoCAD, PBASIC, Microsoft Office, LT Spice, Java, C, Arduino, HTML/CSS, Minitab, QlikView, Document Change Orders, Electronics / Circuit Design, Test Protocols & Reports

**Interests:** Theater, Irish dance, NCAA basketball

Elementary proficiency in Mandarin Chinese