

KARMYN MCKNIGHT

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Education

Duke University, Pratt School of Engineering, Class of 2015

August 2011 - Present

BSE: Biomedical Engineering & Electrical and Computer Engineering
GPA: 3.27 SAT: 800 Math / 800 Writing / 730 Critical Reading

Minor: Theater Studies

Work Experience

Endologix, Inc.

May 2014 – August 2014

Manufacturing Engineering Intern – Irvine, California

- Designed 3 fixtures for use in production to allow greater control over process parameters for a Class III medical device
- Wrote test protocols and reports to qualify changes to existing processes and equipment
- Created single piece flow line layout for new manufacturing facility, causing a 50% increase to production space efficiency
- Collaborated directly with VP of Operations to improve building layouts for new facility

Department of Electrical and Computer Engineering

August 2013 - Present

Head Teaching Assistant – Duke University

- Teach the laboratory section of the class “Fundamentals of Electrical and Computer Engineering”
- Coordinated uniformity across the 10 lab sections

Endologix, Inc.

June 2013 - August 2013

Operations Intern – Irvine, California

- Improved the system of organization for more than 1000 pieces of equipment
- Updated over 100 documents to implement the new equipment standardization

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 space efficiency on 4 different projects
- Constructed a user interface for a new data analytics benchmarking system

Leadership Experience

Girls Engineering Change

January 2013 - Present

Chief Programming Officer – Durham, North Carolina

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

Duke Athletics and Undergraduate Basketball Operations

September 2012 - Present

Vice President, Personnel & Communications – 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 to ensure that all team members complete tasks in a timely manner

Hoof ‘n’ Horn

April 2012 - Present

Vice President of Children’s Theater; Technical Supervisor – Duke University

- Organize the production of musicals through a student-run theater organization
- Communicate with local schools to schedule performances
- Oversee 100+ students in designing and creating the technical elements for 10+ productions

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, IQ/OQ/PQ, GitHub

Interests: Theater, Irish dance, NCAA basketball

Elementary proficiency in Mandarin Chinese