

# Rebecca DeMarco

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## Education

B.S. Human Factors Psychology, Minor: Computer Science  
**Embry-Riddle Aeronautical University**

May 2017  
Daytona Beach, Florida

## Work Experience

*OSSI/NIFS Intern, Knowledge Management*

August 2016 – December 2016

**NASA**

Johnson Space Center, TX

Created an application to explore and visualize experiments conducted on the International Space Station using R, Java, and Neo4j.

*Training Specialist*

March 2016 – July 2016

**StraCon Services Group, LCC**

Naval Air Warfare Center Training Systems Division

Tested a tool for a proficiency model and documented the model. Analyzed statistical analysis tools to recommend for software acquisition. Developed a theory to explain patterns in data.

*NIFS Intern, Firing Room Remote Display and Remote Control Application Software Developer* June 2015 - August 2015

**NASA**

Kennedy Space Center, FL

Lead developer of modifying the network displays for the Health Management Software. Supported the Kennedy Ground Control System (KGCS) team by conducting unit tests, participating in the quality control process for legacy software. Additionally responsible for prototyping a new module display with an emphasis on reliability.

## Project Experience

ScrumMaster, Human Factors Lead, Hardware Team Member

August 2015 – May 2016

**MEERS Mission Support System**

Embry-Riddle Aeronautical University

Managed the project and facilitated the process of Scrum. Developed the graphical user interface to have a user centered design through the implementation of human factors methods and design principles. Contributed technical knowledge that led to design decisions in the hardware system.

## Technical Skills

**Web Development:** HTML, CSS, Bootstrap, jQuery, JavaScript

**Programing:** R, Java, Application Control Language (ACL), Structured Text, Ladder Logic

**Tools:** JIRA, Confluence, myBalsamiq, RS Logix. FactoryTalk View SE, Trello, Word, PowerPoint, Excel

## Professional Activities

- Social Media Coordinator, IEEE Daytona Section, April 2016 - Present
- Founder and Chair, IEEE Women in Engineering at Embry-Riddle Aeronautical University, October 2015 - Present
- Secretary, IEEE Embry-Riddle Aeronautical University Student Branch, April 2015 - Present

## Awards and Honors

- 2016 Excellence in Undergraduate Research, Human Factors and Applied Psychology Conference
- 2014-2015 Boeing College of Arts and Sciences Scholarship Recipient
- Fall 2014, Deans List; Honor Roll: Spring 2014, Spring 2015
- Psi Chi, The International Honor Society in Psychology, 2014-present

## Conferences

**2016 Attendance:** IEEE SoutheastCon, Human Factors and Applied Psychology Conference, IEEE International Systems Conference

**2015 Attendance:** IEEE SoutheastCon, Human Factors and Applied Psychology Conference, NCWIT Grace Hopper Conference