

# Kyle Spomer

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## Education:

- **Florida Polytechnic University**, Lakeland, FL (current)  
Bachelor of Science in Computer Engineering  
Anticipated Graduation: Spring 2018      GPA: 3.14

## Experience:

- **Food & Beverage, Walt Disney World (Feb 2017-Present)**  
*Cosmic Ray's Starlight Café*
  - Serving quality food in a fast paced restaurant environment to provide an outstanding guest experience
- **Research Assistant, Florida Polytechnic University (Oct 2016-Jan 2017)**  
*Embedded Discovery Project*
  - Developing Raspberry Pi workshops for undergraduate students,
  - Studying how students can use the platform to develop technology solutions to real world problems
- **Admissions Team Lead, Florida Polytechnic University (Aug 2015-Oct 2016)**
  - Conduct visitor tours and encourage prospective students to attend

## Proficiencies:

### Hardware:

Raspberry Pi  
Arduino  
Motors  
Robotics Equipment  
Oscilloscopes  
Function Generators

### Software:

SOLIDWORKS  
Autodesk Fusion 360  
Excel/Access  
Adobe Illustrator  
UNIX Operating Systems

### Programming Languages:

Python  
C/C++  
Java  
Swift  
HTML/CSS  
MySQL  
Verilog HDL  
MIPS32 Assembly

## Select Projects (and Awards):

See blog posts, more projects  
and current work at:

[spomer.co](http://spomer.co)

- **Disney's Ultimate EnginEARing Exploration 2016** (Best in Electrical/Computer Engineering)  
*Worked through various attraction based engineering problems to aid the group in designing a new Epcot World Showcase pavilion.*
- **Infrared Characterization Platform**, Design 1&2  
*Building an automated robotic testing platform for an emerging renewable energy technology*  
Designed and constructed the control and mechanical systems for the project.  
Used: Raspberry Pi, Python, Arduino, lux sensors, stepper motors, gears and pulleys.
- **Toastifai**, HackRiddle 2016 (3rd Place, Best use of Amazon Web Services)  
*Outfitted an ordinary toaster with a camera, relays, and a Raspberry Pi microcomputer that used machine learning and computer vision to determine when their toast is done.*
- **Sustainable Electronics**, Renewable Energy Systems & Sustainability  
*Designing a printed circuit board through more environmentally friendly manufacturing methods to be used for measuring solar radiation.*  
*Used: Semi-additive PCB tracing, Arduino, CdS photocells*

## Campus Activities:

Member: IEEE, SMTA, Rotaract Club  
PolyHacks/SHAPE:  
Director of Sponsorship

## Volunteer Experience:

Coalition for the Homeless of Central Florida  
Monthly meal serves since 2011