Kyle Spomer

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Education:

• Florida Polytechnic University, Lakeland, FL (current)

Bachelor of Science in Computer Engineering
Advanced Electrical Concepts Concentration

Anticipated Graduation: Spring 2018 GPA: 3.20

{http://spomer.co/pages/blog/poly}

Experience:

Food & Beverage, Walt Disney World (Feb 2017-Oct 2017)

Cosmic Ray's Starlight Café

 Serving quality food in a fast paced restaurant environment to provide an outstanding guest experience

{http://spomer.co/pages/blog/making_magic}

· Student Research Intern, Florida Polytechnic University (Oct 2016-Jan 2017)

Embedded Discovery Project

Select Projects (and Awards):

- 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
 - Supervise up to 10 Admissions Associates

See blog posts, more projects and current work at:

spomer.co

• Disney's Ultimate EnginEARing Exploration 2016 (Best in Electrical 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 {http://spomer.co/pages/infrared}

Building an automated robotic testing platform for an emerging renewable energy technology Designed and fabricated all the mechanical and control systems for the project.

Used: lux sensors, stepper motors, gears, pulleys, Raspberry Pi, Python, Arduino.`

- Toastifai, HackRiddle 2016 (3rd Place, Best use of Amazon Web Services) {http://spomer.co/pages/toastifai} 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 perfectly done.
- · Sustainable Electronics, Renewable Energy Systems & Sustainablitily

Designing a printed circuit board through more environmentally friendly manufacuring methods to be used for measuring solar radiation.

Used: Semi-additive PCB tracing, Arduino, CdS photocells

Campus Activities:`

Member: IEEE,

SMTA
Rotaract Club {http:

PolyHacks/SHAPE:

Director of Sponsorship {http://spomer.co/pages/polyhacks}

Volunteer Experience:

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

Proficiencies:

Hardware:

Raspberry Pi/Arduino

Motors

Robotics Equipment

Oscilloscopes

Func. Generators

PLC's

Software:

SOLIDWORKS

AutoCAD/Fusion 360

Excel/Access

Adobe Illustrator

UNIX Operating Systems

Programming Languages:

Ladder Logic

C/C++

Java

Python

Swift

HTML/CSS

MySQL

Verilog HDL

Assembly (MIPS32/AVR)