Kyle Spomer

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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)

Education:

• **Florida Polytechnic University**, Lakeland, FL (current)
  Bachelor of Science in Computer Engineering
  Advanced Electrical Concepts Concentration
  Anticipated Graduation: Spring 2018   GPA: 3.20

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

• **Student Research Intern, 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
  • Supervise up to 10 Admissions Associates

Select Projects (and Awards):

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

• **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 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.*

Campus Activities:`
Member: IEEE,   *PolyHacks/SHAPE:*
SMTA   *Director of Sponsorship*
Rotaract Club

Volunteer Experience:
*Coalition for the Homeless of Central Florida
Monthly meal serves (since 2011)*