Kyle Spomer

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253 Samuel St
Davenport, FL 33897

Education:

• **Florida Polytechnic University**, Lakeland, FL (current)
    Bachelor of Science in Electrical and Computer Engineering
    Anticipated Graduation: Spring 2018   GPA: 3.3

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
Sensors
Motors
Robotics Equipment
Oscilloscopes
Function Generators

Software:
SOLIDWORKS
Autodesk Fusion 360
Excel
Access
Adobe Illustrator
UNIX Operating Systems

Programming Languages:
Python
C++
Swift

Select Projects and Awards:

• **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
        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 mechancial 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 & 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
PolyHacks/SHAPE:
    Director of Sponsorship

Volunteer Experience:

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