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# Kyle Spomer

26 N Lake Idylwild Dr
Winter Haven, FL 33881

**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:**

• **Walt Disney Parks & Resorts (Feb 2017-Present)**
*Attractions Host - Splash Mountain(Feb 2018 - present)*
• *Operating Ride Control systems, performing routine safety procedures*
• Quickly and safely handling operations in the world's busiest theme park
• Courteously handling guest questions and concerns
*Food & Beverage Host - Cosmic Ray's Starlight Café (Feb 2017 - Oct 2017)*

• **Student Research Intern, Florida Polytechnic University (Oct 2016-Jan 2017)**
*Embedded Discovery Project*
• Designed and facilitated a series of workshops, wherein students are taught the basics of microcomputers and there applications

• **Admissions Team Lead, Florida Polytechnic University (Aug 2015-Oct 2016)**
• Conducted visitor tours and encourage prospective students to attend
• Supervised up to 10 Admissions Associates

**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)

**See more projects and current work at:** spomer.co

**Select Projects (and Awards):**

• **Disney's Ultimate EnginEARing Exploration 2016** (Best in Electrical Engineering)
*Worked through various attraction based engineering problems in designing a new Epcot World Showcase pavilion.*

• **Infrared Characterization Platform**, Design 1&2
*Built 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
*Designed a microcontroller PCB through environmentally friendly manufacuring methods to be used for measuring solar radiation.*

**Campus Activities**:
*IEEE*
*SMTA*
Rotaract Club
*Orientation Leader*
*PolyHacks(Hackathon Org. Team):*
*Director of Sponsorship*

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