

# Luke Awbrey

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## EDUCATION

California Polytechnic State University, San Luis Obispo 2017  
**Bachelor of Science in Mechanical Engineering**

## PROFESSIONAL EXPERIENCE

### **Mechanical Engineer**

SLR Systems Inc August 2017 – Present  
San Jose, CA

- Design industrial packaging and processing lines for the food and beverage industry.
- Develop production lines that electro-mechanically integrate into customer's facilities.
- Proficient in 3D CAD modeling with over three years of experience designing mechanical parts and assemblies for manufacturability (DFM).
- Detail drawings and assemblies implementing the Geometric Dimensioning and Tolerancing (GD&T) system of communication.
- Supervise field installation and direct on-site field fixes at food processing plants.
- Create bill of materials (BOM) documentation for designated projects.
- Directly involved in the purchasing of parts from vendors to achieve design specifications.
- Hands on experience assembling and configuring conveyors off assembly layout drawings.
- Experienced with the design and fabrication of stainless-steel sheet metal parts.
- Familiar with creating modular parts and assemblies for in-house cataloging using Autodesk Vault.

### **Manufacturing Engineer Intern**

General Atomics Aeronautical Systems Inc June 2016 - August 2016  
Poway, CA

- Performed improvements and design implementations in the avionics integration area of the Predator and Gray Eagle Remotely Piloted Aircraft (RPA).
- Designed footprint layout sheets to organize assembling operations.
- Implemented a lean cable cart system with modular capabilities for the avionics integration cells of the facility.

## SKILLS

### **CAD**

Inventor  
AutoCAD  
SolidWorks  
Creo

### **Programming**

Python  
MATLAB

### **Engineering/Technical**

Machine Design  
Thermal System Design  
Stress Analysis  
EES (Engineering Equation Solver)  
JMP

### **Microsoft Office**

Excel  
Project  
Word Visio  
PowerPoint

## LEADERSHIP AND AWARDS

### **Eagle Scout**

Boy Scouts of America - Troop 224  
Malibu, CA

June 2004 - May 2011