

ROBERT MOON

PRODUCT ENGINEER AT CAFE X

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Summary

Seeking a position where my skills can be utilized and built upon, particularly in troubleshooting and prototyping. I have worn many hats, including training, rapid prototyping, customer service, sales, purchasing, technical support, and machine maintenance/repair. I have worked on projects for companies such as Tesla, Blommer chocolate, Zume pizza, Cafe X, SpaceX and Apple. When not at work I enjoy building everything from arcade games to rally cars.

EXPERIENCE

Cafe X *Product Engineer | September 2017 - Current*

- Work closely with software and mechanical design team design and build Robotic Cafe's.
- Research, select and test sensors for various subsystems.
- Provide onsite maintenance and repair of installed systems.
- Integration of Mitsubishi industrial robot and control system.

L2F *Robotic Technician | September 2016 - August 2017*

- Provide onsite support for service calls, upgrades and installs.
- Assist mechanical engineering team with prototyping new designs.
- Integrated vision systems from Keyence and Cognex.
- Worked closely with control engineer's to debug and troubleshoot systems before deployment.
- Installed and maintained industrial control systems and robots from Fanuc, Mitsubishi. Allen Bradley and more.

TechShop, Inc. *Dream Consultant | March 2015 - September 2016*

- Discuss idea's with member's and assist them with software, design and machine use.
- Perform preventative maintenance, testing and repairs on equipment.
- Worked with many types of CNC and manual equipment (3D printers, laser cutters, water jets)

Chuck E. Cheese *Technical Manager* | *August 2014 - March 2015*

- Worked to keep the kitchen, games and show running within budget.
- Performed preventative maintenance on everything from arcade games to kitchen equipment.
- Performed troubleshooting and testing on a daily basis.
- Kept a detailed log of repairs made and wrote reports to a database shared by the company.

Skylite Communications *Physical layer IT and Server support* | *January 2014 - July 2014*

- Kept all server's and streaming services on site running to a near 100% uptime.
- Took sales orders and customer service request's over phone, email and website.
- Stocked and pulled orders from the warehouse to fulfill shipping requests.

Bentek Solar *Cable Technician / Receiving* | *July 2013 - December 2013*

- Manufactured and tested cable harnesses and solar prototypes.
- Assisted in streamlining production floor by removing old documents and stock off the floor.
- Moved to warehouse to further streamline production.

Control Analytics *Panel Assembler* | *January 2013 - June 2013*

- Follow schematics and diagrams to build emissions monitoring equipment for install.
- Work with engineering team to solve problems with design and fabrication.
- Assisted in testing finished systems before being sent to customers site.

EDUCATION

Central Westmoreland CTC *Mechatronics* | *September 2009 - June 2012*

This is the study of Electronics and robotics rolled together with mechanical engineering design challenges. A good portion of this class was dedicated to the F.I.R.S.T. robotics competition, where I was the team leader.