

Alexander Campbell

2093 Cold Springs Rd
Stuarts Draft, Virginia, 24477
540-246-2170
campbell.llcgc@gmail.com

Summary

Automation and Controls Specialist with over 20 years' experience. Certified and licensed in the Commonwealth of Virginia as a Master Electrician, and in the State of West Virginia as a General Engineering Contractor. Experienced in all aspects of design, construction, repair, and maintenance duties. Demonstrated record of successful project and people management in multiple states and facilities.

- Design
- Programming
- Documentation
- Vendor/Contractor management
- Machine commissioning
- Construction
- Procurement
- Logistics
- Scheduling
- Troubleshooting and Repair

Employment History

Hershey Chocolate of Virginia, Stuarts Draft, Virginia

<i>Electrical Engineer</i>	January 2022 – Present
<i>MT3 (Automation and Controls Specialist)</i>	June 2021 – December 2022
<i>MT2 (Mechatronic Technician)</i>	October 2019 – June 2021
<i>Electrical Mechanic</i>	September 2018 – October 2019

Design, installation, and modification of systems in a heavily automated and networked production environment. The systems range from processing and control of raw ingredients to finished product high speed packaging and motion control. Due to the collaborative nature of the work, all projects require clear and effective communication, planning, and adaptability. All proposed design or function changes must be phased and scheduled to limit the impact on production. The position requires heavy focus on creativity, ingenuity, detail orientation, and structured problem solving.

One Source Petroleum Supply, Waynesboro, Virginia

<i>Owner/General Manager</i>	March 2008 - Present
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My company is a general and service contractor specializing in industrial petroleum, fuel, pneumatic, hydraulic, mechanical and lubrication systems. I am involved in all aspects of running the business, from production to accounting. A large portion of our revenue is generated from design-build projects. Our core proficiency is designing and constructing mission critical control systems that have included piping, pumps, motors, switch gear, sensors, and automated controls. I have extensive knowledge of hazardous wiring and methods, low voltage, controls, sensors, networking, piping, plumbing, and general equipment. While designing systems I have modified prototypes, parts, assemblies, and systems to correct functional deviations after analyzing and interpreting test information. I have assembled electrical/electronic and mechanical systems and prototypes according to engineering data and knowledge of physical principles, using hand tools and measuring instruments. During collaboration with engineers and other personnel I have drawn diagrams and written engineering specifications to clarify design details and functional criteria of experimental systems. Further, I integrated these various systems and components into building automation and distributed control systems, both wired and wireless. Finally, we continue to provide ongoing service, maintenance, and repair of these systems. Several under annual contract to federal, state, and local agencies. I've have accomplished these things in every stage from conception to reality, and in every capacity from management to labor.

Controls Corporation of America, Roanoke, Virginia

Sales Engineer

July 2005 - May 2008

Sales representative for a distributor of automation, sensors, machine vision, cameras, distributed controls, process controls, process instrumentation, and drives (VSD, VFD). The position involved the sale, design, and support of automation and control equipment and systems.

Education

Stonewall Jackson, Mount Jackson, Virginia

High School, Graduated - June 1996

Bridgewater College, Bridgewater, Virginia

History/Political Science, Deferred - May 1998

Massanutten Technical Center, Harrisonburg, Virginia

Master Electrician, Graduated - May 2008

Professional Skills

Master Electrician (Class 1 Div. I and II Specialist)	Expert
SCADA Systems	Advanced
Python	Beginner
Networking	Advanced
Machining	Advanced
CAD	Advanced
PLC Programming: Rockwell (RSLogix) & Siemens (TIA Portal)	Expert
Electronics	Expert
Welding	Advanced
Plumbing	Expert
Power Transmission	Advanced
Hydraulics	Expert
Lubrication Systems	Expert
Pneumatics	Expert
UL508A Panel Building	Advanced
MS Office	Expert

References

Ben Jones

Maintenance Manager, Hershey Chocolate

(540) 337-5844

bdjones@hersheys.com

Kelly Showalter

Chief Engineer-Mission Solutions, Fluor Federal Solutions

(540)-428-8929

Kelly.E.Showalter@fluorgov.com

Tom Baker

Senior Engineer Mechanical, Hershey Chocolate

(540) 416-8782

TomBaker@hersheys.com