


<p><b>Daniel Reardon</b> Waxhaw, NC</p> <p>Cell Phone: 978-870-7455</p> <p>Primary E-mail: <a href="mailto:daniel.reardon@gmail.com">daniel.reardon@gmail.com</a></p> <p>Online Resume: <a href="http://DanielReardon.com">DanielReardon.com</a></p> <p>LinkedIn Profile: <a href="http://lnkd.in/XzNmBs">http://lnkd.in/XzNmBs</a></p>	<p><b>Summary</b></p> <p>Control Systems Engineer with 20+ years of experience in industrial automation, specializing in Allen-Bradley PLC (ControlLogix, GuardLogix) programming, HMI development (FactoryTalk View ME, AVEVA/Wonderware), and real-time system integration. Proficient in robot control (Staubli, Fanuc), motion systems, remote I/O, safety PLCs, and vision inspection (Keyence, Cognex). Strong background in commissioning, field support, and troubleshooting of complex custom machinery. Cross-functional collaborator with mechanical and electrical engineers, focused on developing robust, scalable automation solutions that exceed performance and cycle time targets.</p> <p><b>Objectives</b></p> <p>Seeking a technically challenging role where I can apply my experience in programming, robotics, and system integration. I'm drawn to positions that value creative problem-solving, deep understanding and hands-on collaboration across engineering disciplines. A dynamic environment with room to wear multiple hats and contribute meaningfully to complex systems is ideal.</p>
<p><b>Work Experience</b></p>	<p><b>Controls Software Designer</b></p> <p>Eclipse Automation, Rock Hill, SC 11/2023 - 7/2025</p> <ul style="list-style-type: none"> <li>• Programmed and tested Allen-Bradley CompactLogix and GuardLogix PLC systems using Eclipse Automation standards with custom code extensions for complex machine functionality.</li> <li>• Integrated and configured a variety of automation components, including remote I/O, barcode readers, PowerFlex VFDs, Kinettix servo drives, and industrial camera systems.</li> <li>• Integrated and updated HMI applications using AVEVA Edge Studio and FactoryTalk View ME to provide clear, operator-friendly interfaces.</li> <li>• Programmed Staubli SCARA robots in VAL3 for precision micro-assembly tasks, optimizing performance well below target cycle times.</li> <li>• Authored Excel VBA scripts to support configuration workflows and streamline development.</li> <li>• Participated in cross-disciplinary collaboration with mechanical engineers, electrical designers, and machinists to improve tooling and develop custom calibration tools for small part manipulation.</li> <li>• Performed network configuration and I/O validation, ensuring seamless system communication and robust fault recovery during commissioning.</li> </ul>
	<p><b>Controls Engineer</b></p> <p>Dynamic Design Solutions - , Charlotte, NC 9/2021 - 11/2023</p> <ul style="list-style-type: none"> <li>• Designed, programmed, and commissioned custom PLC-controlled production machines, primarily using Allen-Bradley CompactLogix PLCs in Studio 5000.</li> <li>• Conducted safety reviews of new machine designs, identifying hazards and collaborating with mechanical engineers to implement effective mitigation strategies.</li> </ul>

	<ul style="list-style-type: none"> <li>Configured remote I/O modules, sensors, and networked components, updating electrical schematics and contributing to detailed IO layouts.</li> <li>Developed modular control logic and sequenced operations based on machine design and product tracking requirements, ensuring flexibility and maintainability.</li> <li>Programmed HMI interfaces using C-More panels and integrated Keyence and Cognex vision systems for inspection and verification.</li> <li>Programmed and tested Fanuc robots, contributing to multi-axis pick-and-place and material handling applications.</li> <li>Managed full commissioning lifecycle — including Factory Acceptance Testing (FAT), on-site validation, and post-installation support.</li> <li>Authored technical documentation and user manuals to support handover and training for operators and maintenance teams.</li> </ul>
	<p><b>Control System Engineer</b></p> <p>George T. Hall - , Las Vegas, NV 7/2013 - 8/2021</p> <ul style="list-style-type: none"> <li>Designed, programmed, and commissioned PLC-based control systems, with a focus on Allen-Bradley (ControlLogix, PLC-5, MicroLogix) and Modicon/Schneider Electric platforms, primarily for municipal water supply, waste water management and correctional facility control.</li> <li>Developed and integrated distributed SCADA systems using AVEVA/Wonderware System Platform, delivering secure, scalable control environments for process automation.</li> <li>Commissioned distributed control systems with analog/digital I/O over Ethernet and Modbus protocols, including radio and fiber-optic linked remote I/O.</li> <li>Provided direct customer interaction throughout projects — managing on-site work schedules and customer expectations, interpreting requirements, and maintaining strong relationships.</li> <li>Performed loop checks, network testing, and instrument calibration for factory and field acceptance testing.</li> <li>Mentored junior technicians, sharing best practices for instrument testing, documentation, and communication with the client and main office.</li> <li>Delivered responsive on-site troubleshooting and long-term support for automated systems in a variety of industrial environments.</li> </ul>
<b>Skills</b>	<p><b>Technical Skills</b></p> <p><b>PLC &amp; Control Systems</b></p> <ul style="list-style-type: none"> <li>Allen-Bradley ControlLogix, GuardLogix, MicroLogix, SLC 500, PLC-5</li> <li>Schneider / Modicon (Control Expert / Unity Pro)</li> <li>Safety PLCs: Keyence, Allen-Bradley GuardLogix</li> </ul> <p><b>HMI / SCADA</b></p> <ul style="list-style-type: none"> <li>FactoryTalk View ME, C-More, AVEVA / Wonderware System Platform</li> <li>Alarm handling, tag structures, operator usability</li> </ul> <p><b>Robotics</b></p> <ul style="list-style-type: none"> <li>Staubli Robot programming in VAL3</li> <li>Fanuc Robots (Pendant operations)</li> <li>Adept V+ Programming</li> </ul>

	<p><b>Vision Systems</b></p> <ul style="list-style-type: none"> <li>• Keyence, Cognex, DVT, CVIM</li> <li>• Integrated vision inspection and product verification</li> </ul> <p><b>Motion Control &amp; Drives</b></p> <ul style="list-style-type: none"> <li>• PowerFlex VFDs, Kinettix servo drives</li> <li>• MagneMotion linear servo systems</li> </ul> <p><b>Networking &amp; Communication</b></p> <ul style="list-style-type: none"> <li>• Ethernet/IP, Modbus, DH+, serial protocols</li> <li>• Remote I/O (hardwired, fiber, radio-linked)</li> <li>• TCP/IP networking, router/firewall configuration</li> </ul> <p><b>Programming &amp; Scripting</b></p> <ul style="list-style-type: none"> <li>• Ladder Logic, Structured Text</li> <li>• Shell scripting (*NIX), Python, and Perl</li> <li>• JavaScript, VBA (intermediate, self-taught)</li> <li>• limited experience with C/C++</li> </ul> <p><b>Cybersecurity &amp; System Hardening</b></p> <ul style="list-style-type: none"> <li>• Air gapping, attack surface reduction, allow/block-listing</li> <li>• Firewalls, access control, and security-focused OT design</li> </ul> <p><b>OS &amp; Platforms</b></p> <ul style="list-style-type: none"> <li>• Windows, Linux administration (server and embedded)</li> <li>• *NIX tools: systemd, OpenSSH, Apache2, dpkg</li> </ul> <p><b>Soft Skills &amp; Strengths</b></p> <ul style="list-style-type: none"> <li>• Cross-disciplinary collaboration (ME, EE, software, machinists)</li> <li>• Technical documentation and operator manual writing</li> <li>• Fast learner, systems thinker, problem solver</li> <li>• Calm under pressure — especially during commissioning and field troubleshooting</li> <li>• Willing mentor and hands-on team contributor</li> </ul>
<b>Education</b>	<p><b>Springfield Technical Community College — Springfield, MA</b></p> <ul style="list-style-type: none"> <li>• Associate in Applied Science, Electrical-Robotics Program</li> <li>• Focused coursework in PLCs, robotics, and control systems</li> </ul> <p><b>Smith Vocational High School — Northampton, MA</b></p> <ul style="list-style-type: none"> <li>• Honors Graduate, Electrical Program</li> </ul> <p><b>University of Massachusetts, Lowell — Lowell, MA</b></p> <ul style="list-style-type: none"> <li>• Continuing Education</li> <li>• Coursework in C/C++ programming, shell scripting, and UNIX/Linux system operations</li> </ul> <p><b>Certifications &amp; Technical Training</b></p> <ul style="list-style-type: none"> <li>• Staubli VAL3 Programming – Staubli Robotics</li> <li>• Fanuc HandlingTool Operation and Programming – Fanuc America</li> <li>• Wonderware System Platform 2014 &amp; 2017 – AVEVA/Wonderware</li> </ul>

	<p><b>Self-Directed Learning</b></p> <ul style="list-style-type: none"> <li>• Currently teaching myself the <a href="#">Ignition SCADA</a> system from Inductive Automation®, a highly scalable, cross platform data management and control software suite.</li> <li>• Regularly pursue new skills through technically focused books (O'Reilly and PACKT publishing, etc.), online resources, and hands-on experimentation</li> <li>• Recent topics include Python scripting (for Excel), IT &amp; OT cybersecurity practices (Security Now podcast, Hacker News, etc.), and Ethernet network configuration.</li> </ul>
<b>References</b>	<p><b>Phil Datz</b>  Controls Engineering Manager at Eclipse Automation  Cell: (803) 833-2162  <a href="mailto:phd86osu@gmail.com">phd86osu@gmail.com</a></p> <p><b>Alexander Freeze</b>  Former Supervisor at Dynamic Design Solutions  Cell: 704-202-0631  <a href="mailto:afreeze3@gmail.com">afreeze3@gmail.com</a></p> <p><b>Chad Smith</b>  Controls Engineer at Eclipse Automation  Cell: 803-427-2298</p>
 <p>DanielReardon.com/resume/</p>	<p>For the most recent and expanded version of this resume, visit:</p> <p><a href="https://www.danielreardon.com/resume">https://www.danielreardon.com/resume</a></p>