

Luke McConnell

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Personal Statement

I am a Software Engineer with an interdisciplinary perspective. My experience in specific areas of engineering has honed my analytical skills and instilled straightforward methods of problem-solving. I have a desire to learn, design, and bring software systems of increasing scope into fruition.

Technical Skills

- Programming: C#, Java, Python, C++
 - Operating Systems: Windows, Linux, MacOS
 - Server-side / DBMS: ASP.NET, MSSQL Server
 - Documentation: LaTeX, Adobe
 - Web Dev: HTML, CSS, Javascript, React.JS
 - Version-Control: Git, Azure DevOps
 - Scripting: Bash, Powershell
 - Other: Excellent Oral and Written Communication
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Professional Experience

Computer Scientist - U.S. Air Force Civilian Service, Colorado Springs, CO **August 2020 - Present**

- Designed Enterprise-Level software for space ground systems applications.
- Contributed code and expertise to professional Agile software projects.
- Created stories and completed development tasks using Azure DevOps.
- Drafted and critiqued peer-reviewed Acceptance Test Procedures.
- Used Virtual Machines and custom emulators to conduct software maintenance.
- Composed automated scripts to configure Microsoft services and install custom software packages.
- Authored software requirements, technical documentation, and configuration management.
- Conducted formal and ad-hoc software testing.
- Effectively communicated technical information to team members and supervisors.
- SECRET Security Clearance (Issued: April 2021).

Nuclear Gauge Calibration Technician - InstroTek, Inc., Denver, CO **January 2017 - August 2018**

- Performed calibrations, repairs, and preventative maintenance on nuclear moisture-density gauges.
- Validated/updated software on a variety of gauges with EEPROM systems.
- Used tech manuals/oscilloscope to diagnose/repair surface-mount and through-hole electrical circuit boards.
- Conducted business transactions and internal data tracking with business and shipping software.

Nuclear Plant Operator - U.S. Navy, Yokosuka, Japan; Norfolk, VA **December 2010 - December 2016**

- Safely operated all aspects of an aircraft carrier's nuclear reactor mechanical and fluid systems.
 - Led small teams with various backgrounds through complex operating and maintenance procedures.
 - Trained on-watch sailors during nuclear plant casualty scenarios for qualifications and proficiency.
 - Awarded Navy & Marine Corps Achievement Medal, Humanitarian Service Medal. Honorable Discharge.
 - SECRET Security Clearance (Lapsed: December 2018).
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Education

Bachelor of Science in Computer Science **August 2018 - August 2020**

University of Colorado Boulder - GPA: 3.504

Associate of Science, Cum Laude **January 2017 - August 2018**

Community College of Denver - GPA: 3.65

NABCEP Solar Associate-Level Certification **October 2016 - November 2016**

Solar Ready Vets / OSHA 30 Program

Qualified Navy Nuclear Mechanical Operator **March 2011 - November 2012**

U.S. Navy Nuclear Power Training Pipeline