

Contact

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www.linkedin.com/in/william-hall-aa162921 (LinkedIn)

Top Skills

ICS

Embedded Systems

PLC Programming

Languages

English

William Hall

Cybersecurity & Embedded Systems Researcher
Oldtown, Idaho, United States

Summary

I'm a former aerospace mechanic turned cybersecurity researcher, focused on building secure, resilient industrial systems from the ground up. With over 20 years in manufacturing and maintenance, I understand what real failure looks like — and I'm now working to protect the systems that matter most.

At the University of Idaho – Coeur d'Alene, I'm developing curriculum and research around PLC logic, embedded system security, and zero-trust architecture for OT/ICS environments. My work centers on Arduino Opta platforms and industrial control integration, with a mission to make these systems both teachable and tamper-resistant.

My long-term goal: to build a research spine that trains future engineers, hardens critical infrastructure, and brings wisdom back into the design of industrial systems.

Cybersecurity isn't just a skillset — it's stewardship.

Experience

University of Idaho College of Engineering
Undergraduate Researcher – Computer Science
May 2025 - Present (3 months)
Coeur d'Alene, Idaho, United States

Developing a modular curriculum focused on PLC logic, ICS cybersecurity, and embedded systems integrity. Responsible for technical deployment of Arduino Opta PLC units, documentation of secure hardware workflows, and strategic collaboration with TechHelp and faculty stakeholders.

Additional focus: Lean systems integration, zero-trust ICS models, and student-led instructional design.

Guided by Dr. John Shovic and Dr. Mary Everett.

DAHER

Special Process Quality Officer

August 2023 - August 2024 (1 year 1 month)

Sandpoint, Idaho, United States

Boeing

15 years 8 months

Materials Management and Transportation Manager

January 2019 - May 2022 (3 years 5 months)

Everett, WA

Supported DoD contracts (KC-46/KC-767 programs) with active clearance eligibility. Collaborated in secure environments under federal and aerospace compliance frameworks (NISPOM, ITAR).

Aerospace Mechanic

October 2006 - January 2019 (12 years 4 months)

Everett, WA

Lowe's Companies, Inc.

Department Manager

July 2004 - October 2006 (2 years 4 months)

Seattle, WA

Shurgard Self Storage

Store Manager

December 2002 - July 2004 (1 year 8 months)

Bellevue, WA

Diamond Parking Service

Operations Manager

March 1996 - September 2001 (5 years 7 months)

Bellevue, WA

Education

University of Idaho

Bachelor of Science - BS, Cybersecurity · (April 2025 - May 2028)

North Idaho College

Associate of Science - AS, Computer Science · (August 2024 - April 2026)

University of Washington

Bachelor of Applied Science (B.A.Sc.), Aerospace, Aeronautical and
Astronautical Engineering · (1992 - 1996)