

Perry J. Johnston

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Portfolio Website



PerryJJohnston.com

EXPERIENCE

Air National Guard, Portland, OR — F-15 Avionics Technician

03/2021 - Present

Maintain and troubleshoot integrated avionics systems (radar, communications, navigation, countermeasures) on F-15 aircraft

Advanced to Staff Sergeant and 5-level technician status, authorized to independently diagnose and repair complex electrical systems

Train and mentor junior airmen in technical procedures, quality standards, and critical safety protocols

Disney on Ice — Professional Figure Skater/Live Host

09/2023 - 04/2025

Performed character roles and served as live show host across North America while maintaining online coursework and military readiness

Contribute to on ice success through teamwork, training, and dedication to deliver magical experiences globally

The Rink Exchange, Eugene, OR — Ice Technician

11/2019 - 09/2023

Operated ice resurfacing equipment and maintained refrigeration systems for public and competitive events

Performed preventative maintenance and troubleshooting on hydraulic equipment

EDUCATION

Oregon State University — B.S. Mechanical Engineering

01/2023 - 06/2026 (Expected)

GPA: 3.86 | Option: Robotics & Control | Honor roll 11+ consecutive terms

Senior Capstone: Manufacturing engineer for Global Formula Racing, producing 38+ precision metal components with up to $\pm 0.001''$ tolerances

U.S. Air Force - Air Education and Training Command

02/2022 - 08/2022

Avionics Systems Technology | AETC Top Graduate

Black Rope Squadron Lead (300+ airmen)

TECHNICAL PROJECTS/SKILLS

Manufacturing: CNC machining (Mach3), manual machining (mill/lathe), precision measurement, G-code programming

CAD/CAM: SolidWorks, Autodesk Fusion, Siemens NX

Programming: Python, MATLAB, C/C++, Arduino

Projects: Built CNC mill ($\pm 0.01\text{mm}$ tolerance), 3'x3' laser cutter, automated blind system, OSU machine shop certified

AWARDS/ACCOMPLISHMENTS

Air Force BMT Honor Graduate

Drill and Color Guard Squadron Commander, Sheppard AFB

C.A.P Commanders
Commendation Award

Private pilots license (age 17)

Volunteer History

100+ blood units donated,
Bloodworks Northwest

5+ years, Civil Air Patrol - Cadet Commander, Color Guard Commander, mission scanner, mission radio operator

235+ hours, Greenhill Humane Society - surgical suite assistant and small animal care