

Steven James Galloway

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Summary

Dedicated mechanical engineering student with over 15 years of professional experience, focusing on engineering design, robotics, and manufacturing. Anticipating a Bachelor of Science in Mechanical Engineering in December 2024, with a strong background in applied pre-engineering, electronics, and automation systems. Experienced tutor and team leader passionate about hands-on problem-solving in robotics and energy storage systems.

Education

Northern Arizona University — Flagstaff, AZ

Bachelor of Science in Mechanical Engineering (Expected December 2024)

- Notable Coursework: Finite Element Analysis, Advanced Dynamics, System Dynamics
- Capstone: Thermal Energy Storage Systems
- Vice President, Robotics Club
- Member, Tau Beta Pi Honor Society
- Fields of Interest: Robotics, Mechanical Controls, Heat Transfer with Thermodynamics, Mechanics of Materials

Yavapai College — Clarkdale, AZ

Associate of Science in Applied Pre-Engineering (2021)

- Certifications: SolidWorks, FANUC Robotics Material Handling, ISCET Electronics Technician (Level 4), HAAS Basic Mill Operator
- Honors: Member, Phi Theta Kappa Honors Society; Outstanding Achievement in Applied Pre-Engineering (2021); Academic Honors Award (2021)
- Additional Coursework: Additive Manufacturing, CNC Manufacturing, CAM using Fusion 360, Electrical Engineering

Experience

Student Worker — Northern Arizona University (June 2024 – Present)

- Developed an extracurricular robotics and automation module for students.
- Focused on teaching foundational skills in robotics and automation systems.

Tutor in Math, Science, and Computer Technology — Yavapai College (2019–2022)

- Tutored in mathematics, science, and Microsoft Office tools.
- Special focus on FANUC Robotics, Universal Robots, and CNC manufacturing.
- Certifications in SolidWorks, FANUC Robotics, and HAAS CNC operations.

3D Printer Technician — RESA Wear (2018)

- Traveled around the U.S. operating mobile 3D printing factories.
- Managed logistics, assembly, and maintenance of 3D printing systems independently.
- Applied skills in electronics, additive manufacturing, and introductory IoT systems.

Self-Employed Computer Technician — Cottonwood, AZ (2004–2005)

- Provided hardware repair, software troubleshooting, and networking services.
- Demonstrated self-initiative and developed strong customer service skills.

Manufacturing and Quality Control Technician — Griffith Enterprises (2002–2004)

- Conducted circuit board assembly, electronics diagnostics, and quality control.
- Ensured compliance with manufacturing standards and product testing.

Assistant Night Manager — Fry's Food and Drug (2005–2018)

- Led night crew operations, overseeing inventory logistics, scheduling, and team coordination.
- Promoted to Assistant Night Manager within six months due to strong leadership skills.

Skills

Technical Skills:

- Manufacturing: SolidWorks, Fusion 360 CAM, CNC operations, additive manufacturing, quality control
- Electronics: Circuit board diagnostics, component-level testing, power circuits
- Robotics: FANUC Robotics, Universal Robots
- Software: Linux, Microsoft Office Suite, operating systems, business software
- Design: Heat Transfer, Thermodynamics

Soft Skills:

- Leadership and Team Management: Experienced in leading night crews and managing logistics at Fry's Food
- Communication: Strong ability to explain technical concepts, developed through tutoring and teaching
- Problem-Solving: Applied to troubleshooting in electronics, robotics, and manufacturing environments