

Kayvon Arjomand

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EDUCATION

Georgia Institute of Technology

Bachelor of Science in Mechanical Engineering

GPA: 3.7 - Dean's List - Highest Honors

Atlanta, Georgia

December 2024

EXPERIENCE

RESRG Automotive (SRG Global)

Automation & Design Engineer

Covington, Georgia

March 2025 – Present

- Designed a foam placement process simplification that saves \$6000 on parts per application and \$15000+ on waste reduction annually while improving part quality compliance from 92.1% to 99.9%
- Manage manufacturing process improvement and new design implementation projects:
 - Design, fabricate, assemble, and program entire robot cells, parts/assemblies, and automated processes
 - Manage shipping, logistics, monitoring/communication, and all aspects of projects from ideation to completion
 - Evaluate the feasibility, potential value, and required investment for projects
- Create CAD (SolidWorks) models and engineering drawings for projects and automation team needs
- Identify & address improvement opportunities in processes & equipment: waste reduction, quality, & productivity
- Support production and techs: engineer creative solutions, fabricate parts, perform repairs, and diagnose problems
- Train AI vision systems in automated processes

Collins Aerospace (RTX)

Design & Manufacturing Engineer

Savannah, Georgia

May 2024 – August 2024

- Managed design and process improvement projects:
 - Designed parts to ensure 100% torque precision and improve ergonomics for repetitive manufacturing process
 - Designed crimping machine improvement to increase part manufacturing speed by 167%
 - Reverse engineered and rebuilt metal beading machine to ensure 100% of yielded parts meet quality tolerances
- Redesigned shipping department to improve productivity and safety- improved outbound packaging times by 25%
- Designed and 3D printed or machined numerous parts and systems with CAD (Catia V5) to aid manufacturing
- Created and dimensioned engineering drawings for CAD-designed parts and did GD&T for airplane parts
- Created intuitive Microsoft Excel templates to log and organize part dimensions, PDR statuses, and inspections

Amazon

Area Maintenance Engineer Manager

Appling, Georgia

May 2023 – August 2023

- Engineered multiple process improvements to save fulfillment center site AGS1 over \$500,000 annually
- Designed conveyance modifications to improve workplace safety and reduce item loss and spills by 90%
- Designed robotic system modifications to reduce package induction errors by 5.57%
- Managed technicians and repaired or engineered solutions for site malfunctions / maintenance

PROJECT AND LEADERSHIP EXPERIENCE

Experiment Lead *Graphene Technology Research (Georgia Tech)*

August 2024 – December 2024

- Designed experiments to discover graphene enhanced hybrid nanomaterials' benefits and 3D printing capabilities

Project Lead *Capstone Senior Engineering Design (Georgia Tech)*

August 2024 – December 2024

- Led design process to recycle wooden pallets into disposable utensils to reduce plastic waste. Won 4th Place / 107

Maintenance Team Lead *Wreck Racing Competition Team (Georgia Tech)*

January 2022 – December 2024

- Designed and fabricated parts and solutions for building budget race cars and led maintenance routines

SKILLS

Engineering:

CAD, SolidWorks, Catia V5, 3D Printing, Machining, Laser Cutting, Reverse Engineering, GD&T, Stress & Strain Analysis, Engineering Drawings, Project Management & Leadership, Project Engineering, Lean Six Sigma, Robotics, Automation, Process Improvement & Operation Efficiency, Design Engineering, Prototyping, Manufacturing, Machine Design, Wiring

Programming/Tech:

Fanuc Robot Programming, AI Vision Systems, PLC Programming, MATLAB, Java, C++, Python, Microsoft Excel & Word, JMP Statistics Software, Simulink