# Brian Peoples

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**Objective:** Full time position in **manufacturing engineering** with an emphasis on hybrid electro-mechanical assemblies or injection molded parts. Penchant for designing process flows that drive higher yield.

**Professional Summary:**

Manufacturing-focused Mechanical Engineer with hands-on ownership of NPI programs, electro-mechanical assemblies, and supplier-driven process qualification. Proven experience ramping hardware from proof-of-concept through production, improving yield, deploying in-line manufacturing systems, and driving DFM/DFA across injection-molded and hybrid assemblies.

**Education:**

University of Massachusetts Amherst
Master of Science in Engineering Management — Expected May 2026, GPA: 4.0
Bachelor of Science in Mechanical Engineering, Minor in Engineering Management — Graduated May 2023, GPA: 3.53

**Relevant Coursework:**

Design of Mechanical Components & Assemblies, Manufacturing Processes, Predictive Analytics & Machine Learning

**Work Experience:**

**Analog Devices, Inc., Wilmington MA (Security Clearance Level: Secret)**

Sr. Manufacturing Engineer — April 2025 - Present
Manufacturing Engineer — July 2024 - March 2025
Associate Manufacturing Engineer — June 2023 - June 2024

- Owner of manufacturing readiness and execution for NPI programs, acting as DRI through ramp and customer reviews
- Leader in RCCA efforts for major yield and compliance disruptions, resolving Parts, Material, and Process (PMP) gaps
- Delivered full PPAP for customer programs including PFMEA, Gage R&R, and process capability studies
- Drove ruggedized / military device qual(s), included design reviews, metrology bring-up, traceability and control plans
- Led DFM and process respins across assembly, wire bond, and suppliers; improved RTY >10% on high-risk programs
- Instilling in-process quality for mechanical assembly via work instructions, visual aids, PMs and OCAPs
- Guiding supplier dimensional improvements via DWG reviews and OMM workmanship procedures
- Developed process tools: yield bridges, CAR/NC Apps, Mentored: JMP, Minitab, MATLAB, GD&T

**Apple Inc., Cupertino CA**

Manufacturing Engineer Intern (TechOps NPI) — May 2022 - June 2023

- Owned manufacturing quality readiness for Vision Pro and iPhone accessory programs from POC through ramp
- Brought up in-line laser weld monitoring system & AOI for Vision Pro frame assembly to ensure weld integrity, safety, and traceability
- Designed and deployed motorized load-cell functional test system for softgoods FATPs to enable repeatable force-controlled validation
- Conducted FA and root-cause-analysis to address lagging yield in injection molding process to improve on scrap
- Improved upon yield targets for Clear Case (~90%), Silicon Case (~98%), and Vision Pro Frame Assembly (~95%)
- Worked with PD team to define product drawing dimensions and datums, following ASME Y14.5
- Designed metrology with reliance on DOE/Gage R&R for dimensional and functional measurement capability

**SharkNinja LLC, Needham, MA**

Mechanical Test Engineer Co-Op — Summer of 2021, 2020, and 2019

- Fabricated metrology solutions to aid product functional testing both in development and production
- Guided engineering team with process tuning DOEs to meet specs. as defined on the drawing with low DPPM
- Validated production test procedures while working with overseas vendor to realize full Gage R&R <10-30%
- Performed R&D into angular displacement recognition rendering using MATLAB image analysis summer of 2021
- Used MATLAB App Developer for image compiling to mimic color spectrometer usages during summer of 2020
- Utilized Minitab for statistics including boxplots, paired-t tests, DOE, ANOVA, tukey turner, and regression models.

**Academic Projects:**

**Stationary Conductor Tension Monitoring System (Team Lead)** — September 2021 - May 2022

- Directed a team of engineers in design, fabrication, and analysis to achieve a functioning POC by spring of 2022
- Researched and designed a process to measure vibration of a cable in motion, rendering live tension measurements
- Minimized error through model testing and omitting operator interference through automation

**Key Skills:**

SolidWorks (CSWA Cert.), 6s Green Belt (GBMP Cert.), Minitab / JMP, GD&T (ASME Y14.5), MATLAB, Gage R&R, DOE, DFMEA/PFMEA, Material Analysis – XRF, Libs, and SEM, Hybrid Standards – MIL-PRF-38535/4, IPC/J-STD