

CAMERON JORDAN

MECHANICAL ENGINEER

CONTACT



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Boston, MA 02215

SKILLS

- SolidWorks and Fusion 360
- CAD-to-CAM workflows
- CNC milling and turning
- CAM optimization
- Waterjet and laser cutting
- 3D printing
- MATLAB programming
- Excel proficiency

EXPERIENCE

January 2024 - Present

Student Manufacturing Engineer

Engineering Product Innovation Center (EPIC) – Boston University,
Boston, MA

- Operate CNC mills and lathes independently to manufacture plastic and metal components for course infrastructure, student projects, and research use
- Develop complete CAD-to-CAM workflows using SolidWorks and Fusion 360; perform setup, fixturing, tool changes, and post-processing
- Iterate toolpaths and machining parameters to resolve failures during multi-axis machining of stainless steel components
- Train and support students on CNC machining, manual machining, and fabrication workflows; serve as a go-to technical resource for machining strategy and project feasibility
- Assist with machine maintenance and shop operations to ensure reliability and throughput

June 2023 - August 2023

Engineering Intern

New Hampshire Ball Bearings, Peterborough, NH

- Reverse-engineered and documented legacy inhouse SQL and Microsoft-based manufacturing databases to support IT-led system replacement
- Developed and piloted an Excel/VBA tool to automate heat-treat process reporting from shop-floor data
- Trained on metallurgical quality control tools including abrasive cutting, polishing, and microscopy for corrosion and laser-etch analysis

EDUCATION

Expected graduation May 2026

Bachelor of Science in Mechanical Engineering Candidate

Boston University

LEADERSHIP EXPERIENCE

First-Year Engineering Mentor, Facilitated weekly group sessions focused on engineering ethics, academic success, and student support during first semester

REFERENCES

References available upon request

VOLUNTEER EXPERIENCE

August 2024 - December 2025

First Year Student Advisor

Boston University, Boston, MA

- Led a small group class designed to help first year Engineering students develop a sense of community and belonging. Assisted students with course handling, scheduling, and mental health struggles throughout their first semester at BU.