

Charles Brown

Junior Robotics Mechanical Engineer

An associate mechanical engineer with two years of experience supporting design and validation of consumer products. Proficient in SolidWorks, GD&T, and test-lab procedures. Known for improving prototype accuracy and streamlining test protocols.



KEY SKILLS

- Python for automation
- 3D CAD (Fusion 360)
- Rapid prototyping (FDM)



EDUCATION

B.S. in Mechanical Engineering,
| Northeastern University
May 2022

B.S. in Mechanical Engineering |
Michigan State University
May 2018



PROFESSIONAL EXPERIENCE

Junior Mechanical Engineer

RoboWorks Inc., Boston, MA | September 2022 – Present

- Developed Python scripts to automate sensor calibration, cutting setup time by 50%
- Designed and 3D-printed robot end-effectors for two product demos, accelerating prototype iterations
- Collaborated on BOM creation and supplier quotes, reducing cost estimates by 8%

Mechanical Intern

Boston Dynamics, Waltham, MA | June 2022 – August 2022

- Assisted senior engineers with actuator selection and test rig assembly
- Conducted fatigue tests on linkage components, documenting results for design revisions



CERTIFICATIONS

- Fundamentals of Engineering (FE) Exam Passed, May 2023