

Joseph Tayloe Bowers

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Seattle, WA | LinkedIn

Skills:

- Solidworks/Autodesk Inventor
- AutoCAD
- Figma
- Adobe Illustrator, Photoshop
- Asana
- AI powered research and reporting
- Tableau/Basic SQL querying

Certifications:

- SOLIDWORKS Associate in Mechanical Design (2022)
- SOLIDWORKS Associate in Additive Manufacturing (2022)

Work Experience

Field Hardware Support Engineer at Amazon Robotics

Seattle, WA

June 2025 - Present

- I support robotics driven item storage/retrieval and packing solutions by monitoring site KPIs and interfacing with on site technicians and operations staff to maintain availability and quality metrics.
- I responded to on-call ticket queues for high severity tickets at 31 fulfillment center sites and supported high volume events including Prime Day, Black Friday, and Christmas.
- I created new approval mechanisms to enable support handoff between new product intro and network wide rollout. This approval was used to successfully handoff 10+ deployments across the US and Canada.
- I led site audits to collect spare parts consumption data and identify gaps in deployed tech equipment.
- I led a program to test a new fiducial design that was piloted at 4 sites across the US and rolled out to the NA fulfillment center network. The resulting design cut the install time in half, which saved each site ~\$900k/year, while also lasting 25% longer, which saved an additional \$50k/year for a total savings of \$1.05 mil/year.

Graphics Design Engineer at Amazon Web Services

Seattle, WA

Nov 2022 - Present

- I designed user interfaces for data center infrastructure controls systems based on building system engineering drawings using Figma and Adobe software.
- I designed scalable solutions for data center controls UI's to be applied globally and integrated with localised controls teams to apply UI standards to specific sites.
- I managed and trained a team of third party contractors to complete production work.

Mechanical Design Engineer at Sarcos Robotics

Salt Lake City, UT

Dec 2021 - Nov 2022

- I designed engineered parts used in a battery powered robotic exoskeleton system using Solidworks and GD&T principles in accordance with ASME Y14.5 standards.
- Designed IP rated electronics enclosures for custom PCB and sensor packages.
- Developed end effector tool integration and man lift compatibility for industrial robotics applications.
- Designed test fixturing for custom load cell producton.

Product Development Tech at Biomerics Medical

Salt Lake City, UT

Oct 2020 - Dec 2021

- I created and executed a test plan to characterize a predicate device for use in an endoscope development project. This involved fixture design, understanding regulatory standards, and the authoring of test methods used in design validation.
- Built catheters in a cleanroom environment for use in a clinical trial and FDA submission. I developed standard operating procedures and fixtures to streamline production and increase throughput.

Education

Utah Valley University - Mechanical Engineering 2021