

# Joshua Addington

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## SKILLS

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- **Technology:** SolidWorks (8 years), Python, Linux terminal, C++ (microcontrollers)
- **Skills:** Technical communication, Design for Manufacturing, CNC machining, 3D printing

## WORK EXPERIENCE

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### Beacon Medical Products

July 2024 – Current | 1 year

*Engineer 1*

*Bluffdale, UT*

- Responsible for the full engineering cycle of in-house medical catheter manufacturing equipment. Designed molds, programmed toolpaths, and ran CNC machines for injection molds.
- **Key Results:** Designed, built, and validated a catheter-balloon cutting laser. The machine reduced QC fail rates by 83% and increased throughput from 300 to 700 units per technician daily.
- **Skills Used:** CAD, 3D printing, CNC machining, Design for injection molding, Automation

### Wencor Group

Dec 2022 – June 2023 | 6 months

*Metrology Intern*

*Springville, UT*

- Aided engineering teams in the reverse-engineering of aircraft components by operating precision metrology equipment
- **Skills used:** GD&T, Tolerance Analysis, CAD, Small Team Collaboration, Engineering Drawings

### Teledyne FLIR

Aug 2020 – Aug 2022 | 2 years

*Mechanical Engineer Intern*

*Orem, UT*

- Took part in prototyping and testing for military drone laser components. Designed opto-mechanical testing fixtures and collaborated frequently with electrical and software engineers.
- **Key Results:** Developed, built, and tested a new lens alignment procedure that saved 3 technician hours per unit in assembly.
- **Skills Used:** CAD with large assemblies, Design for high-volume manufacturability, CNC machining, 3D printing

## EDUCATION

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### Brigham Young University

Sept 2020 – Aug 2025

*Bachelors of Science, Mechanical Engineering*

*Provo, UT*

- Emphasis in Mechatronics, Design for Manufacturing, and Systems engineering
- **Skills Learned:** CAD, Mechanical analysis, Thermal analysis, JMP,

## INTERESTS

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- Running, Electronics, Automation, Medicine, Backpacking (PCT thru-hike in 2023), Conversational Spanish