

# Jeffrey Will

Senior Mechanical Engineer

## WORK EXPERIENCE

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### Senior Mechanical Engineer Sept.2025-Present

Powercast Corporation – Pittsburgh, PA

- Serve as the company's most senior mechanical engineer, directing the mechanical architecture for a next-generation, 12-SKU consumer electronics ecosystem (1 main device, 11 companion products) projected to drive multi-millions in revenue.
- Collaborate with EE and SW teams to co-design and integrate complex multi-board electrical assemblies, connectors, harnesses, and sensors into mechanical systems of varying form factors.
- Managed EVT/DVT/PVT engineering builds, partnering directly with international contract manufacturers in China and Vietnam to successfully transition designs into mass production.
- Provide comprehensive, end-to-end mentorship to 2 junior engineers across all aspects of mechanical design and problem-solving.

### Mechanical Engineer Feb.2021- Sept.2025

Powercast Corporation – Pittsburgh, PA

- Operating as the sole mechanical engineer for 3.5 years, directed the full design lifecycle for an 11-SKU consumer electronics product line, driving over \$12M in revenue (600,000+ units sold over 2 years).
- Utilized SolidWorks to design a diverse range of components—including complex enclosures, internal chassis, heatsinks, and brackets—optimizing parts for injection molding, CNC machining, and sheet metal fabrication.
- Managed prototype fabrication and tooling development, leading hands-on testing and design verification.

### Prototype Engineering Intern June – August 2020

Radio Flyer – Chicago, IL

- Supported early-stage product development by building conceptual models and mechanical prototype assemblies.

### Research and Development Intern May – August 2019

Bayer Pharmaceuticals – Pittsburgh, PA

### Engineering Intern May – August 2018

Premier Automation – Monroeville, PA

## CONTACT

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Pittsburgh, PA

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## SKILLS

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Technical Skills:

- Design for Manufacturing (Injection Molding, Sheet Metal, CNC Machining)
- Electro-Mechanical Integration
- Rapid Prototyping (CNC, 3D Printing, Laser Cutter)
- Advanced Shop Fabrication (Welding, Metalworking, Woodworking)
- Reverse Engineering

Tools & Software:

- Solidworks, Fusion 360, Geomagic Design X
- Inkscape/Adobe Illustrator

Familiar With:

- PCBA Design
- Altium/KiCad
- C++/Python

## EDUCATION

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The Pennsylvania State University

B.S Mechanical Engineering

## PERSONAL PORTFOLIO

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<https://jeffreywill.com/>

## OTHER ACCOMPLISHMENTS

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Eagle Scout – 2016

Patents:

- 1 pending utility patent
- 2 pending design patents