

# SAM GEARHART

**SGearhart.com**

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(814)577-1620

## Skills

### Physical

- Drawing / Rendering • Model Making
- Rapid Prototyping • Fabrication
- MIG / TIG Welding • Soldering
- Woodworking • Sewing

### Digital

- Solidworks • 3D scanning • G Suite
- Keyshot • Illustrator • Photoshop
- Fusion 360 • Arduino IDE

## Experience

### **Design Engineer ironmountains.com** January 2022 - present

- **Invent** novel and patentable mechanisms to make infant products easier and safer to use.
- **Collaborate** with marketing to create a product that accurately fills a void in the market.
- **Present** and discuss physical and digital prototypes to superiors and market specialists for critique.

### **Adjunct Instructor Drexel University** June 2022 - present

*Professional Landscape Seminar* • **Help** develop student portfolios to be cohesive representations of their skill sets, passions and personalities by demo'ing Photoshop mock ups with smart objects, layouts in Indesign, and editing sketches in Illustrator.

- **Discuss** topics of professionalism, product design, job searching and interviews while sharing personal experiences and insights.

*Applied Design Visualization* • **Communicate** 2 and 3 point perspective and the uses of various techniques to communicate design intent. • **Build** student confidence in using sketching and rendering as a design tool while playing with various mediums.

### **Design Engineer fabspeed.com** August 2020 - January 2022

- **3D scanned** OE exhaust and components to design aftermarket solutions that produce more power and enhance sound.
- **Designed and fabricated** fixtures that make manufacturing aesthetically pleasing exhaust systems easily repeatable while eliminating the chance for error.
- **Installed and dyno tested** prototype pieces to better understand performance gains, installation pain points and ensure proper fitment.

### **B-1B Dedicated Crew Chief U.S. Air Force** June 2011 - June 2017

- **Led** coordination efforts with off base agencies to ensure smooth forward deployment of 50+ personnel and 3 aircraft.
- **Coordinated** military specialists and government contractors to ensure that time lines regarding multi-million dollar weapon system upgrades remained on track.
- **Trained** subordinates as a front line supervisor on safe and proper maintenance practices.
- **Performed** launch, recovery, tow and maintenance tasks on 33 aircraft valued in excess of \$10.6B.

## Education

### **Drexel University class of 2020**

Bachelor of Science in Product Design w/ Fine Art minor

Magna Cum Laude

### **Community College of the Air Force awarded 2014**

Associates of Applied Science in Aerospace Maintenance Technology