

Maxwell Hunter Samuels

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<https://hunter626102.myportfolio.com/>

About Max:

A freelance Industrial Designer with a novel approach to problem-solving. Uses vast cross-disciplinary knowledge to tackle physical problems through rapid prototyping.

EDUCATION:

New Jersey Institute of Technology – Hillier College of Architecture and Design

Bachelor of Science in Industrial Design

Newark, NJ

Graduated 02/2025

County College of Morris- Industrial Design Program

Associate of Arts in Industrial Design

Randolph, NJ

05/2020

County College of Morris- Certificate of Engineering Technology and Computer-Aided Drafting

2 separate Certificates that cover the usage of metrology equipment, CNCs, 3D Printing, laser cutting, problem-solving, math, and computer-aided drafting programs.

Randolph, NJ

05/2024

Montclair State MIX Lab- Innovation and Design Certificate

Certificate of Design Innovation

Montclair, NJ

05/2017

- Montclair State Certification in outside-the-box thinking, rapid prototyping, and design.

SKILLS:

- **3D Modeling skills, including surfacing and Mesh manipulation.**
 - Autodesk Fusion 360, Blender, Meshmixer, Adobe Medium, Solidworks, Inventor, Autocad
- **2D Graphics and Text software**
 - Office products, ChatGPT, Adobe Photoshop, Illustrator, and Canva
- **Prototyping and Manufacturing ability**
 - 12 years of 3D Printing experience, slip casting, Laser Cutting, Woodworking, Soldering, Metalworking, CNC, Welding, Manual Machining, Arduino/Electronics Prototyping
- **AI, Visual Ideation & Concept Sketching**
 - Midjourney, AI-enhanced Pen and Paper Ideation, Adobe Firefly, Stable Diffusion

WORK EXPERIENCE:

Type O Designworks

Freelance designer of props, art, and mechanisms

Flanders, NJ

2017-2025

- Part-time, self-owned, and operated business.
- Work with clients to create custom props for cosplay and LARP
- Special focus on full-contact LARP weapon design and flexible TPU printing.

COMET Engineering lab

Industrial Designer with specialization in Robotics design

Rockaway, NJ

04/2024 – 07/2024

- A 3-month internship in Military Robotics design.
- Emphasis on experimental robotics design, working in secure environments, and teamwork.

County College of Morris Engineering Lab

3D Printing and Shop Maintenance Technician

Randolph, NJ

08/2018-06/2020

- Facilitated and taught students how to use 3D Printing, CAD, CNC, and manual machining equipment.
- Utilized and facilitated the usage of Tormach, HAAS, and ASTM testing equipment
- Operated manual machines like lathes, Bridgeport, milling machines, welding, and measuring equipment.

VOLUNTEER/LEADERSHIP EXPERIENCE:

Event Coordinator - NJIT Chapter of the Industrial Designers Society of America

Executive Board Position

Newark, NJ

09/2022 – Present

- Ran events for the club.
 - Created IDSA workshop weekend, co-sponsored the Beaux Art Ball, Ran IDSA Game night, and more.
- Oversaw meetings and projects.
 - Organize annual IDSA showcase, assist in concrete bench semester project

AWARDS:

- 9th IFAC Symposium presenter for NJIT on Novel 5 bar flexure, Eagle Scout Rank, elected Senior Patrol Leader, Dean's list, featured in the Promethean, IDSA Showcase 2022/2023(received best in show award) and CCM Design Showcase 2020-2021