

Maxwell Hunter Samuels

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About Max:

An Industrial Designer with a novel approach to problem solving. Uses vast cross disciplinary knowledge to tackle tasks head on.
Shoot for the Moon. Even if you miss, you'll land among the stars" -Norman Vincent Peale

EDUCATION:

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

Bachelor of Science in Industrial Design

Newark, NJ

Expected graduation 05/2025

- NJIT Industrial Design Class of 2024

County College of Morris- Industrial Design Program

Associate of Arts in Industrial Design

Randolph, NJ

05/2020

- CCM Industrial Design Class of 2020

Montclair State MIX Lab- Innovation and Design Certificate

Certificate of Design Innovation

Montclair, NJ

05/2017

- Montclair State Certification

WORK EXPERIENCE:

Type-O Design Works

Freelance Designer

Rockaway, NJ

04/2017 – Present

- Took freelance design and 3D printing orders for science labs, cosplayers, and personal orders.
- Provided design, 3D Modeling, mesh repair, VR sculpting, and 3D printing services.

County College of Morris Engineering Lab

3D printing and Shop Maintenance Technician

Randolph, NJ

10/2018-06/2020

- Provided custom design and 3D printing services for the schools underutilized 3D printing labs.
- Facilitated and taught students how to use 3D Printing, CAD, CNC, and manual machining equipment.
- Utilized and facilitated usage of Tormach, HAAS, and ASTM testing equipment
- Produced custom promo materials to facilitate donations and student enrollment
- Founder and president of CCMAKES, A club that acted as a teaching program for interested students.
- Operated manual machines like lathes, bridgeports, milling machines, welding, and measuring equipment.

CARL Lab NJIT-Flexible Robotics technician

Robotics Research Lab

Newark, NJ

07/2021 – 07/2022

- Primary author of research paper that was presented at 9th IFAC Symposium on Mechatronic Systems 2022 in Los Angeles.
- Was responsible for most of the Intellectual Design Work of the paper, but only proofread the writing.
- Designed a folding 2 finger robot hand that provided mirrored chopstick like movement via a 3D 5 bar flexure.

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 a workshop weekend, Cosponsored 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:

- *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*

SKILLS:

- **3D Modeling skill including surfacing and Mesh manipulation.**
 - *In order of Skill-* Autodesk Fusion 360, Meshmixer, Adobe Medium, Solidworks, Inventor, Autocad 2021
- **2D Graphics and Text software**
 - Office products, Adobe Photoshop, Illustrator, and Canva
- **Prototyping and Manufacturing ability**
 - 3D printing, Laser Cutting, Woodworking, Soldering, Metalworking, CNC, Welding, Manual Machining, Arduino/Electronics Prototyping
- **Visual Ideation & Concept Sketching**