Jonathan Schmidt
Industrial Designer

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EDUCATION

Georgia Institute of Technology | Atlanta, GA
· Bachelors of Industrial Design | 2020
· 3.87 Major GPA
· Faculty Honors | Deans List

EXPERIENCE

Mandala Soundworks | Atlanta, GA
Lead Enclosure Designer | 12/19 - present
· Developing enclosure for a live tablature writer for electric guitars.
· Collaborating with a diverse team of engineers and software developers.
· Refined the user experience and preparing for an eventual market launch.

Georgia Tech College of Design | Atlanta, GA
Fabrication Lab Assistant | 8/18 - present
· Managed fabrication labs, shop areas, laser cutters, and photo studios.
· Maintained a suite of 10+ industrial 3D printers and facilitated their use by professor and students.
· Advised and aided in fabrication of models, prototypes and installations.

HEICO Aerospace | College Park, GA
Co-Op Aerospace Engineer | 8/17 - 12/17
· Developed initial CAD models and drawings of PMA parts
· Oversaw manufacture of parts and validated process plans.
· Produced detailed research packages for parts seeking FAA approval.

STUDIO WORK

VOIR
PPE Design | 2020
· Face mask that allows enhanced non-verbal communication.
· Improves fit and comfort issues of current face coverings.
· Protects wearer and allows for visibility of facial expressions.

Lift-Off
Floor Lamp Design | 2018
Industry Best in Class Award | 3rd Place
· 6'5" articulating lamp made of 100+ aluminum and SS components.
· Draws inspiration from jet engine nozzles.
· Allows the user to adjust light direction and the atmosphere it produces.

Dash
Scooter Design | 2020
· Personal scooter designed for ease of transport and storage.
· Collapsing system allows for 8x smaller folded footprint vs competitors
· Integrates smartphone as customizable dashboard when riding.

SKILLS

Industrial Design
· rapid prototyping
· analog + digital sketching
· parametric 3D modeling
· visualization and animation
· visual brand language dev.
· colors, finishes, materials
· design for manufacture
· ergonomic evaluation
· user research and validation
· trend and market analysis
· data driven validation
· mechanical design
· smart products
· sustainable design methods

Modeling + Manufacture
· 3D printing (FDM + SLA)
· low-fidelity prototypes
· vacuum-forming
· injection molding
· casting

Software
· SolidWorks
· Keyshot
· Adobe CC Suite
· Fusion 360
· MeshLab
· Procreate
· Xd + Figma
· Arduino

Personal
· curiosity
· resilience
· team leadership
· communication and listening
· multi-disciplinary collaboration