

Andrew Portello

Scottsdale, AZ | (516) 659-1797 | andrewportello16@gmail.com | [linkedin.com/in/andrew-portello](https://www.linkedin.com/in/andrew-portello)

Industrial Designer with hands-on experience in end-to-end product development, from concept sketching and CAD modeling through prototyping, product visualization, and manufacturing. Skilled in SolidWorks, KeyShot, and Adobe Creative Suite, with experience across diverse product categories.

Portfolio: portelldesigns.com

EDUCATION

Arizona State University, Tempe, AZ

Graduation: May 2025

Bachelor of Science, Industrial Design – *summa cum laude*

PROFESSIONAL EXPERIENCE

Industrial Designer / Product Development Specialist, NPDS – Scottsdale, AZ

Feb 2026 – Present

- Support product development across diverse product categories, from concept sketches and design refinement through CAD, prototyping, and manufacturing preparation.
- Create and refine SolidWorks models, assemblies, technical drawings, product renderings, and animations.
- Evaluate materials, components, manufacturing methods, and supplier options to support manufacturability and cost-effective production.
- Contribute to intellectual property and patent-related projects through concept ideation and development of product improvements.

Retail Team Member, Target – Tempe, AZ

Aug 2025 – Feb 2026

- Cross-trained across multiple departments, including Drive Up, order fulfillment, guest services, cashiering, and in-store security.
- Handled high-volume store operations across multiple roles while maintaining accuracy and efficiency.

Industrial Design Intern, Busse Hospital Disposables – Hauppauge, NY

May 2024 – Aug 2024

- Assisted with the development of molds and cavities for injection molding and thermoforming processes used in medical product manufacturing and packaging.
- Supported the design and development of disposable medical products through CAD modeling and prototyping.
- Participated in cross-functional team meetings, aligning design solutions with safety, sterilization, and regulatory requirements.

Security Systems Installer & Sales Technician, Paramount Security – Wantagh, NY

May 2021 – Aug 2023

- Conducted consultations and provided daily pricing estimates for residential and commercial security system installations.
- Installed and configured transmitters, sensors, keypads, and monitoring components.
- Coordinated small installation teams and maintained clear communication with clients.

SKILLS

- **CAD & Visualization:** SolidWorks (parts, assemblies, technical drawings), Fusion 360, KeyShot, rendering workflows
- **Design & Process:** User-centered design, concept sketching, design thinking, form studies, research, iteration
- **Prototyping & Fabrication:** 3D printing, laser cutting, physical modeling, shop tools, machining, welding
- **Manufacturing & Sourcing:** Design for manufacturability (DFM), CMF (color, material, finish), injection molding, thermoforming, parts and component sourcing
- **Graphic Design:** Adobe Photoshop, Illustrator, InDesign, Canva
- **Collaboration & Communication:** Cross-functional teamwork, visual presentations, technical documentation, client communication

LEADERSHIP & INVOLVEMENT

- **Solar Devils Racing** – *Design Team Member*, Arizona State University | 2022 – 2024: Collaborated with engineering and design students to conceptualize and prototype a solar-powered vehicle. Contributed to brake and brake-line system design as part of the mechanical engineering team.
- **Alpha Sigma Phi Fraternity** – *Vice President of Alumni Relations*, Arizona State University | 2022 – 2025: Planned alumni/parent events for 100+ attendees; managed a \$5,000 budget and coordinated logistics.
- **ASU Club Ice Hockey (ACHA D3)** – *Assistant Captain*, Arizona State University | 2021 – 2025: Balanced athletics with academics while supporting team coordination and leadership.