

Larsen M. Hale

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Based in Reading, PA

Inventive student attending Liberty University and seeking a full-time summer internship to serve an engineering firm, using my skills in CAD, Excel, leadership, and technical communication.

Education

Liberty University — BS: Mechanical Engineering (3.44/4.0 GPA) — May 2028 (Anticipated)

Experience

US Anodize — Continuous Improvement and Mechanical Design Intern — Summer 2026

- Designed and manufactured Angle Jig fixture from CAD concept through prototyping, cutting setup time on aluminum racking. Jig comprised of machined, Type-III anodized aluminum and 3D-printed angle setters.
- Designed and installed cart-mounted 3D-printed tool holders across Small Parts area workstations, standardizing tool access and organization.
- Performed structural static simulations for a new steel mezzanine, creating and iterating the design to hold a total of 9200 gallons of water (~75000 lbs.).
- Surveyed 100+ titanium fixtures for their current capacities to optimize electrical calculations and load sizes across all anodizing processes.

US Anodize — Continuous Improvement Intern — Summer 2025

- Led end-to-end reorganization of Box Rack Team storage area, designing and installing pallet racks and custom tool boards for 100+ fixtures.
- Built a plant-wide spline classification system and job aid, cataloging and labeling 100+ parts to standardize identification.

Liberty University — Weekly Small Group Leader (12 members) — August 2025-May 2026

- Led Christ-centered discussion groups on Wednesday nights to discuss sermon content.
- Organized and guided group activities outside of group time.

Hard Skills

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| • SolidWorks | • 3D-Printing | • Technical |
| • Excel | • Autodesk Fusion | Communication |
| • Technical Drawing | • Low-voltage wiring | • Basic Hand Tools |