

Dominick Barry

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Summary of Qualifications

- 2 months of internship/work experience in composite manufacturing for the aerospace industry
- 3+ years of experience in NAU's Mechanical Engineering higher education program
 - Word, Excel, Teams, Google Apps, SolidWorks, MATLAB, Machine Design, & Capstone
- 3+ years of leadership and consistent hard work in the sport of fencing, both coaching and competing
- 4+ years of cooperation service in the restaurant industry
- 5+ summers of international exposure, a strong understanding of the Czech language & broken Spanish

Education

Northern Arizona University

Flagstaff, AZ

Mechanical Engineering, *Bachelor of Science*

May 2025

Honors/Rewards: Dean's List, WUE Gold Scholarship

Relevant Coursework: MATLAB, SOLIDWORKS, Machine Design II, Thermodynamics II, Fluid Mechanics, Heat Transfer

Activities: American Society of Mechanical Engineers

Research: Topology Optimization using machine learning

Capstone: Catheter Mold Release Dispenser for Machine Solutions Inc.

Professional Experience

Composite Manufacturing (Internship - Inspections/Engineering Technician)

Flagstaff, AZ

Novakinetics Aersosystems Inc.

March 25, 2024- May 31, 2024

- Followed ISO9100 Quality Management System paperwork including nonconformance forms, document change forms, job travelers and work instruction documents
- Inspected various prepreg and wet-layup composite parts and seat assemblies at multiple stages to identify nonconformance and ensure compliance with customer requirements and company standards
- Handled carbon fiber and fiberglass prepreg to create strong and lightweight components for aerospace systems

Restaurant Industry (Bartending, Serving, Food Running, & Manager)

Redwood City, CA

Alhambra Irish House - Irish Restaurant & Bar

March 2019- Present

- Listened to customers, addressed their needs, and tailored service to exceed expectations
- Communicated with staff to prevent mistakes and ensure understanding to maintain a professional image
- Worked quickly and efficiently to decrease wait times for customers

Fencing Coach and Armorer

Sunnyvale, CA

International Fencing Academy

August 2018 - July 2021

- Cooperating with the Head Coach I led fun and challenging group/private lesson plans for 15+ young fencers
- Repaired fencing equipment - Epees, Body Cords, and Reels - to create a functional and professional environment & armory
- Responsible for payments, sales, bookkeeping, and stock to ensure a 1-week turnaround for any equipment

Relevant Extracurriculars

Competitive Fencer

International Fencing Academy

August 2017 - July 2021

- Trained 5 days a week consistently for 3+ years to rank in the top 10% of Junior Olympic fencers

Certifications

NAU Machine Shop Safety Training

NAU Machine Shop Mill and Lathe Training