

Taylor Hetrick

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Work Experience

Apprentice Machinist

Versatile Design Solutions
July 2018 to December 2019

Produced custom aluminum and Delrin products utilizing 3- and 5-axis Brothers CNC mills (M-227, S-1000, M140-X), Proto Trak knee mill, and Nardini lathe

- Created G-code machine programs for CNC mills and programmed automated paths for knee mill
- Experienced in tool selection and workpiece setup for bar, cylinder, and sheet stock
- Mastered post-processing techniques for surface finish, including electric powder coating and anodizing
- Inspected all pieces for quality control to within 1/1000 inch tolerances

Sergeant

United States Marine Corps
June 2006 to April 2015

Explosive Breaching and Rocket Instructor - Infantry Training Battalion, Assaultman Section

- Facilitated training of over 2500 personnel in the use of explosive and non explosive breaching techniques, infantry rocket employment, as well as squad and individual combat tactics
- Reviewed and refined standard operating procedure for assaultman training
- Overseas Deployments (2008, 2010, 2014)
- Supervised over 100 personnel and \$2 million of equipment
- Advised foreign military on small unit capabilities, limitations and employment for combat operations, as well as public policing operations to achieve maximum efficiency and mission accomplishment

Education

Physics

University of North Georgia
2016 to 2019

B.S. in Mechanical Engineering

Georgia Institute of Technology

Skills

- 3 and 5 Axis Machining
- MIG Welding
- Python/MATLAB

- Linux OS
- Project Workflow Management
- Fluid Mechanics
- Stress/Strain Analysis
- Structural Design
- Siemens NX CAE/FEA
- CAD
- CNC Lathe
- CNC Programming
- CNC
- Mechanical Engineering
- SolidWorks
- Mechanical Knowledge

Military Service

Branch: United States Marine Corps

Service Country: United States

Rank: Sergeant (E-5)

June 2006 to April 2015

Assessments

Attention to detail – Highly Proficient

March 2021

Identifying differences in materials, following instructions, and detecting details among distracting information

Full results: [Highly Proficient](#)

Indeed Assessments provides skills tests that are not indicative of a license or certification, or continued development in any professional field.