

# Henry “Hank” Zimmer

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## Work Experience

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### Engineering Laboratory Technician with Chart Industries

June 2017 to May 2018

Ball Ground, GA

- Directly supported engineers in the Chart Life Sciences and Respiratory Healthcare Divisions, primarily focusing on cryogenic storage systems and oxygen concentrators
- Validated and tested new and existing products
- Documented results of validation tests and prepared test reports

### Machine Operator with Dayton Superior

February 2017 to May 2017

Braselton, GA

- Manufactured parts for use in concrete construction
- Set up and maintained machines for creating various sizes and types of parts

### Nuclear Shift Test Engineer with Puget Sound Naval Shipyard

June 2010 to May 2016

Bremerton, WA

- Worked in the reactor plant of nuclear-powered aircraft carriers
- Performed testing of reactor plant components and systems
- Established plant conditions to support maintenance and testing
- Ensured safety of the reactor core as well as safety of workers performing maintenance
- Coordinated with many different organizations to progress work, including Navy personnel, shipyard mechanics, and shipyard engineering technical support
- Maintained a Department of Defense confidential security clearance
- Supported aircraft carrier maintenance & testing projects in Bremerton, WA, Everett, WA, San Diego, CA, and Yokosuka, Japan

### Project Management Intern with Rexroad APG

Summer 2009

Colorado Springs, CO

- Collaborated with project managers on large-scale government-contracted military master planning projects, including the Comprehensive Energy and Water Master Plan (CEWMP) for Redstone Arsenal, and a Real Property Inventory for Soto Cano Air Base in Honduras
- Contributed content for a Sustainability Toolkit website for the US Air Force

## Education

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### Colorado School of Mines

B.S., *summa cum laude*, May 2010

Golden, CO

- Bachelor of Science in Engineering, Specialization in Mechanical Engineering
- GPA: 3.92
- Member of Tau Beta Pi Engineering Honor Society; President's Merit Scholarship; Dean's List

## Engineering Skills

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- Certified in AutoCAD, mechanical specialization (AutoCAD Institute, 2017)
- Microsoft Office (Word, Excel, PowerPoint, and Project)
- Mechanical Design & Analysis Software:
  - SolidWorks 3D Mechanical Design
  - CosmosWorks Design Analysis & Optimization
  - Mathcad: stress and deformation analysis
- Data Acquisition & Analysis Software:
  - LabVIEW
  - MATLAB
- Machine Shop:
  - Machining with mills and lathes
  - Machining parts for concrete construction with welders & presses
- Basic C++ programming