

I graduate from School University with a Bachelors of Science in Mechanical Engineering in December 2016. I have worked as a drafter and designer for 17 years. I am a well-rounded self-starter with training in machining, fabrication and real world engineering design solutions. I am an effective leader, a team player and a quick learner. I am adept at training, mentoring and communicating. I am experienced in 2-dimensional and 3-dimensional design and document control. I am passionate about water decontamination, and I truly wish to be a part of a company where my work makes a positive difference in the world.

Mechanical Engineering Student:

University School - North Carolina - 8/14 to 12/16

Senior Design - Two semester Capstone project - Contract work for IMG Midstream

- Design and fabricate a device to remove and replace 3000 lb intercoolers in a 4 megawatt natural gas generator. Involved the use of SolidWorks, Creo, MathCAD, EES.

- Responsible for project management and documentation for a 12 person inter-disciplinary team of engineering students. Involved the use of Microsoft Project.

- Leader of the testing sub-team. Test plan developed using prediction of failure modes - deformation tested using strain gauges.

- Personally responsible for all testing instrumentation. Involved programming using both Arduino and LabView.

Junior Design - Team Leader - Design and fabricate a robotic assembly to launch a fishing lure with emphasis on accuracy, distance and handicapped accessibility. Personally responsible for controls and Arduino programming

Sophomore Design Lab - Design a 5000 RPM air engine using Creo, manufacture using lathes, drill presses and other large scale manufacturing equipment.

Standard Mechanical Engineering Coursework - Including graduate level coursework in fluid dynamics, training in 3D Design including CREO, Inventor and SolidWorks.

Work Experience:

Lead Designer/Technical Assistant - Worldwide Engineering - Denver NC - 2/13 to 10/14

- Lead a 5 person CAD team in drafting segmental and concrete retaining walls

- Trained co-workers in drafting and design procedure

- Developed instructional material on design and drafting procedure and training processes

- Document control, writing technical documents

Owner/Operator - Pinnacle Stone - Huntersville NC - 6/06 to 2/13

- Sales, marketing, design, fabrication and installation of custom engraved stone products

HVAC Design - My Current Company Engineering

Charlotte, NC 2015-present

Manufacturing Design - Small Fence Company

Cornelius, NC - 2012

Junior Plumbing Designer/MEP Drafter - Allan and Shariff

Baltimore, MD 2005-2006

Warehouse Systems Design - Alliance Material Handling

Baltimore, MD 2004-2005

Document Control/Fiber Optics Design - Boston Edison/RCN

Boston, MA - 2001-2003

Professional Interest: Innovative solutions to water contamination - Including chemical, biological and pharmaceutical pollution

Academic, Professional and Personal References available upon request

For more detail, please also view my LinkedIn profile at the following URL: www.notalink.com