

Chris Urbanski

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EDUCATION

University of New Hampshire – Durham, NH

Graduation: May 2018

B.S. Mechanical Engineering

GPA: 4.0

- Dean's List – Highest Honors: All semesters
- Tau Beta Pi – Engineering Honors Society

RELATED COURSEWORK & PROJECTS

Senior Design Project – Autonomous Surface Vehicle

September 2017 – August 2018

- Project lead on a four-member interdisciplinary team to develop an autonomous surface vehicle
- Drafted 3-D models and fabrication drawing for the autonomous surface vehicle in Solidworks
- Researched, modeled, and implemented robust heading and speed controls using MATLAB/Simulink

Laboratory Projects:

February 2016 – May 2018

- Recorded data in LabVIEW with a variety of devices such as thermocouples, load cells, or strain gages
- Analyzed data and effectively presented results with graphs and figures using MATLAB
- Summarized laboratory procedure, analysis techniques, and results in formal lab reports

Six Sigma Green Belt:

September 2017 – December 2017

- Applied the fundamentals of continuous improvement and the DMAIC process to case studies
- Worked on case studies like analyzing surface defects of anodized aluminum parts
- Conducted data analysis using the JMP 13 Statistical Software

RELATED EXPERIENCE

Sloan Valve Company: Electronics Division – Andover, MA

January 2019 – August 2020

Quality Engineer

- Researched standards, developed procedures, and conducted tests for design validation of new product
- Applied root cause analysis to and assisted in developing internal/external corrective actions for defective product
- Utilized statistical techniques such as t-tests and capability analysis to qualify vendors using Minitab
- Collaborated with manufacturing on FMEA and control plans to improve quality and mitigate risk
- Oversaw incoming and final inspection and modified procedures to streamline processes using SAP

Haartz Co. – Acton, MA

May 2016 – August 2017 (Seasonal), October 2018 – December 2018

Manufacturing Engineer Intern

- Drafted 2-D and 3-D drawings for web-processing equipment using AutoCAD and Autodesk Inventor
- Designed solutions to prevent quality issues during production
- Managed five to ten projects/work orders simultaneously
- Requested quotes from contractors for machinery fabrication and installation

ADDITIONAL EXPERIENCE

UNH Residence Hall – Durham, NH

August 2017 – May 2018

Assistant Hall Director

- Expanded the capacity of the Hall Director by supervising four Resident Assistants and completing administrative tasks
- Advised student run Hall Council, facilitated event planning, and managed a budget of \$3000
- Adjudicated level one conduct cases and oversaw their resolution