

Christopher Vidic

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WORK EXPERIENCE

Cognizant Systems Engineer - Mechanical

July 2019 - Present

Bechtel Corporation, Pueblo, Colorado

- Lead engineer for a biotreatment/mechanical systems at unique chemical weapons destruction facility
- Monitored system health and provided engineering support to operations and maintenance
- Conducted calculations for pressure and torque testing in high pressure piping systems
- Implemented improvements and repairs to ensure the safety and efficiency of project operations
- Maintained and updated relevant system documentation (P&IDs, SOPs, SDDs)
- Troubleshooted mechanical issues with on-site technicians
- Aided in systemization and startup for mechanical static detonation chamber systems
- Worked with suppliers to ensure item inventory, specifications, and site-specific customizations
- Acted as engineering technical representative for variety of vendors

Mechanical Engineering Intern

May – August 2018

Bechtel Corporation, Knoxville, Tennessee

- Oversaw the on-site development of the multi-billion dollar uranium processing project
- Researched and presented on Bechtel's utilization of new technology to streamline construction
- Constructed new document databases to ease the transition to a virtual library

Seismology Research Intern

June – July 2017

INVOLCAN, Puerto de la Cruz, Spain

- Utilized MATLAB to analyze and quantify seismic activity across the island of Tenerife
- Responsible for maintenance and implementation of seismometers at key locations
- Seismology research presented at ensuing EGU conference

PROJECTS

UnisBrands LLC

2018-2019

- Collaborated with local 3D printed footwear startup to develop an updated industrial process.
- Updated industrial process reduced time to cut shoe sole from 15 minutes to 2.
- Utilized SolidWorks to develop 3D printed shoe sole prototypes for testing and display

National Society for Business and Engineering

2018-2019

- Led team in developing an innovative and customizable vibration generator
- Prototype utilized by local applied science company to calibrate their vibration sensors

EDUCATION

The Pennsylvania State University

2015 – 2019

Bachelor of Science in Engineering, Mechanical Engineering

Cumulative GPA: 3.5

AWARDS

NASA FURP Scholarship, George Wykoff Scholarship, Eagle Scout