

Joshua R. Koch

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OBJECTIVE:

I am searching for a full-time engineering position in the Boston area. Currently, I am working on a one-year contract, which expires on July 20th, 2021. My professional experience has awarded me competencies such as customer focus, drive for results, and collaboration. I am team oriented with outstanding interpersonal skills that welcomes and accepts input from others.

EDUCATION:

Bachelor of Science in Mechanical Engineering

The Pennsylvania State University, University Park, PA

GPA: 3.4/4.0

Graduation Date: May 8, 2020

Dean's List Honors: Spring 2020, Fall 2019, Spring 2019 & Fall 2017

Relevant Courses

Engineering Writing

Dynamic Systems

Product Design & Manufacturing

Material Science

Design Methodology

Mechatronics

EDSGN Analysis CAD

Fluid Mechanics

SKILLS:

Oral & Written Communication, 3D & 2D Modelling, FEA, GD&T, MATLAB

WORK

EXPERIENCE:

Validation Engineer (Contractor).....July 2020 – Present

Bayer Pharmaceuticals, Indianola, PA

- Draft and execute validation protocols on automated syringe assembly lines
- Complete validation processes on new high-volume manufacturing line
- Design & implement mechanical fixtures to automated plant machinery
- Train production personnel to execute validation protocols

Manufacturing Engineering Intern..... May 2019 – Aug. 2019

Bayer Pharmaceuticals, Indianola, PA

- Completed verification & validation processes of automated HFFS equipment
- Researched & tested process improvements to package testing protocols
- Designed & implemented mechanical fixtures to automated packaging machines
- Drafted and reviewed changes to new and existing protocols

Design Technician Intern.....May 2018 – Aug. 2018

People's Natural Gas, Pittsburgh, PA

- Worked directly with customers to implement natural gas services to commercial and residential locations
- Designed precise pipeline extensions to deliver gas to customers
- Worked directly with construction managers to implement designs
- Created AutoCAD drawings and SAP estimates for each project

LEADERSHIP & INVOLVEMENT:

Vice President, Theta Chi Fraternity, Omega Chapter (2017-18)

Member, Unmanned Aerial Systems Club (2019)

Secretary, Theta Chi Fraternity, Omega Chapter (2016-17)