

ALYSSA VONGRIES

USER EXPERIENCE DESIGNER

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SUMMARY

A UX designer with a diverse technical background and experience working on and communicating within multidisciplinary teams. A strong critical thinker who is well versed in root cause analysis, problem identification, and solution creation. Very open to learning new skills and willing to consider relocation.

PROFESSIONAL EXPERIENCE

Philadelphia Gear, A Timken Brand

Sr. Metallurgist, 2012-2019

<https://philagear.com/>

- Lead root cause analysis investigations for issues arising on internal issues for military and commercial orders
 - Facilitated conversations with team members and vendors to determine root causes.
 - Created and guided corrective and preventative action plans within Philadelphia gear and for vendors.
 - Performed follow-up investigations to verify that corrective/preventative actions were effective
- Used customer briefs, industry standards, and existing Philadelphia Gear products to find solutions to customer needs.
 - Chose materials for gear units and ancillary parts.
 - Created drawings and 3D models for parts and assemblies.
 - Selected parts and units for new customer applications.
- Involved in internal lean projects
 - Active team member - cleanup and reorganization of shop floor and worker stations.
 - Lead a reorganization of corporate physical documentation.

Powervista Software, Inc.

Technical Writer 2012

- Contracted to review the capabilities of RollCall and write a help manual
 - Revised existing help manual and wrote sections for new product features

EDUCATION

CareerFoundry

Front End Development for Designers 2019-2020

Certificate in User Experience Design 2019

Online - [CareerFoundry.com](https://www.careerfoundry.com)

- Intensive project-based training program with a focus on user experience design, user interface design and frontend skills for designers.
 - Designed an app concept for curating tattoos. The process included: user research and analysis, wire framing, prototyping, user testing, and iteration. Adobe XD was used for wire framing and prototyping. View project here: [Link to InkWell Project](#)
 - Designed and coded a portfolio website from scratch using basic skills in HTML5, CSS and JavaScript. View portfolio website here: [Link to portfolio](#)

Pennsylvania State University

Bachelor of Science in Materials Science and Engineering, 2008-2012

Happy Valley, PA - [psu.edu](https://www.psu.edu)



[Link to LinkedIn](#)



[Link to Github](#)

Skills

Wireframing & Prototyping

User Research

Usability Testing

User Interface Design

Personas

Project Management

Story/Journey Mapping

Root Cause Analysis

3D Modeling

Basic Frontend Development

working knowledge of:

- HTML5,
- JavaScript
- CSS

Tools

Adobe XD

InVision

SolidWorks

Vectinator