

# 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/>

- Led 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.
  - Led 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  
WebFlow  
SolidWorks  
Vectinator