

Tyler Bartholomew

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Product Designer & Engineer,
Project Manager

Education

B.S. Human Centered Design & Engineering (HCDE)
University of Washington
Seattle, WA
Graduated Cum Laude: June, 2024

Skills & Tools

Figma
Adobe Creative Suite
AI Prompt Engineering
AutoCAD (Direct)
Solidworks (Parametric)
Prototyping
Wireframing
Digital Fabrication
Laser Cutters
CNC
Moldmaking
3D Printing
C/C++, Python, & HTML
Electronics Prototyping
Leadership Experience
Storytelling & Framing
Task Decomposition
Documentation
Business Acumen
Intermediate German

Objectives

Passionate about continuing my education through experience, especially through leadership roles.

Interested in building physical products with digital elements.

Personal Interests

Portrait & Architecture
Photography
Speaking & Writing
Conversational German
Reading & Writing Science
Fiction & High Fantasy

Related Experience

Product Manager, Designer, & Engineer | Yew Ride
Seattle, WA | March, 2024 - Current

- **Prepare detailed competitive analyses** to inform design decisions and fill gaps in the market.
- **Define the product's vision**, plan for this vision, and hold the team to these defining metrics and goals.
- Carry out the entire **design** process for every aspect of the product: **packaging, marketing content, and secondary and primary products.**

Product Designer, Carpenter, & Owner | Pioneer Peak Carpentry
Tri-Cities, WA | August, 2018 - September, 2022

- **Designed furniture** in AutoCAD with the customer's needs, style, and the skills and tools available to me before implementing the plans in my shop.
- **Coordinated and led subcontractors** in the role of general contractor on residential remodels.
- Designed rooms, strove for responsibly sourced materials, and labored as a finish carpenter throughout.
- Grew the business consistently each of the four years despite attending school concurrently.

Owner & Operator | College Pro Painters
Tri-Cities, WA | January, 2015 - September, 2017

- **Led** a seasonal **team of 30** for 5 months out of each year and a team of 3-10 the rest of the year.
- **Hired and trained** nearly **100 employees** for 3 different positions in my 3 years.
- **Increased margin** by 29% in my second year and by 22% again in my third year.
- **Decreased employee turnover** 45% by bettering my hiring practices and spending more time training.
- Operated the **second highest producing** first year **franchise** in the U.S. and Canada out of more than 250.

Projects

Product Designer | Water Treatment Testing Sensor Kit
PATH & Cova | Seattle, WA | January, 2024 - June, 2024

- **Performed comprehensive competitive analyses** of ORP sensors.
- Debated and formed foundational design criteria, founded in research.
- **Rapidly prototyped during user testing** to implement takeaways and perform A/B testing with each participant.
- **Delivered a product** to our sponsor that was ready for deeper, contextually relevant user testing in South America and Africa.

Club President | Columbia Basin College's Club Hockey Team
Columbia Basin College | Pasco, WA | June, 2018 - March, 2020

- Organized and ran club meetings, events, practices, and games.
- Worked to build a team that could function well together and enjoy the game in a positive and safe manner.