

Langley Vogt

langleyvogt@gmail.com

541.241.4942

linkedin.com/in/langleyvogt

https://langleyvogt.wixsite.com/0000

EDUCATION

Carnegie Mellon University

Pittsburgh PA, Dec 2020

Master of Integrated Innovation for
Products and Services -
Advanced Study Program
GPA 3.96/4.0

University of Portland

Portland OR, May 2019

Bachelor of Science in Mechanical
Engineering and minor in
Computer Science
Magna Cum Laude, GPA 3.9/4.0

ArtCenter (ACX Course)

Remote, Spring 2021

Visual Communication and Form

SKILLS

Prototyping

3D Printing
Foam Core Modeling
Laser Cutting
Woodworking
CNC Routing
Sketching

Qualitative & Quantitative Research

User Interviews
Usability Surveys (SUS)
Co-Designs
Workshops
Journey & Concept Mapping
Affinity Clustering
Personas
Workflows

Software & Coding

Figma + FigJam
SolidWorks
Autodesk Fusion 360
KeyShot
Adobe Illustrator + Lightroom
Powerpoint / Excel / Word
MATLAB
C / HTML / CSS

EXPERIENCE

User Experience Researcher II | Aurora Innovation

July 2021 - Present

- Accelerating the development of autonomous driving and operations by improving and advocating for user experience across software & hardware.
- Scoping and leading qualitative & quantitative exploratory, discovery, and evaluative user research to identify design & strategy gaps, inform teams & business priorities, and drive improvements for numerous internal software tools (15+), cross-functional & vertical workflows, informational architectures, and vehicle hardware.
- Collaborating and implenting research with product & industrial designers, product managers, and software & hardware engineers to directly drive design & engineering decisions to help define, prioritize, and meet quarterly, MVP, and future production & operational goals.
- Responsible for creating and executing usability surveys to establish a baseline of quality across Aurora's internal software tools and workflows to derive opportunities of improvement and inform product strategies.
- Rapidly conducted deep-dive research, provided insights, and drove action to increase throughput in the machine learning data engine. This led to an immediate and direct 40% average increase across focused capabilities.

Associate Innovation Engineer | Honda R & D Americas, LLC

May 2020 - Aug 2020

- Joined the Honda R&D 99P Labs team for Summer 2020 internship to conduct further research and validation of the proprietary mobility concept my CMU Master's Capstone team developed during Spring 2020.
- Honda R&D purchased IP rights to our team's concept in May 2020.

TA for Product Design Fundamentals Graduate-Level Courses | CMU

Aug 2020 - May 2021

Suppression of Parkinsonian Hand Tremors Researcher | UP

May 2018 - May 2019

- Employed by the University of Portland to advance the design and development of a purely mechanical proprietary device to aid in the suppression of Parkinsonian hand tremors during Summer 2018. Continued work as Senior Capstone team lead in 2019.

AWARDS & CERTIFICATIONS

2020 Graduating Class "Change Maker" Award Recipient

Integrated Innovation Institute, Carnegie Mellon University, Dec 2020

First Place Team in Philips Health Innovation Hackathon

Heinz College, Carnegie Mellon University, Feb 2020

Fundamentals of Engineering Mechanical Exam, July 2019

SolidWorks Academic Certification, Apr 2019