

ASPEN TNG

PRODUCT DESIGNER WITH 4+ YEARS OF EXPERIENCE
CURRENTLY BASED IN SEATTLE, WA

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SELECTED WORK EXPERIENCE

UX Design & Research Assistant / Ubiquitous Computing Lab

UNIVERSITY OF WASHINGTON, SEATTLE, WA | SEP 2021 - PRESENT

UbiCompLab focuses on tackling research problems at the intersection of physical and digital systems.

- Co-authored a paper and created explanatory video about augmented reality tool prototype to help engineers debug printed circuit boards efficiently for submission to ACM Symposium on User Interface Software and Technology (UIST) 2022.
- Planned and conducted usability studies with 10 participants. Synthesized data using affinity mapping to generate insights and design recommendations.

Product Designer / GovTech Singapore (Singpass app)

SINGAPORE | SEP 2020 - SEP 2021

Singpass app is Singapore's national digital identity platform app integrated with 2000+ services. It has more than 3.5 million users and 29 million monthly transactions.

- Proposed and spearheaded creation of Singpass app design system through close collaboration with 3 PMs, 12 engineers, and 6 designers.
- Designed and implemented robust modular templates (interaction and visual) with comprehensive design guidelines and technical documentation to streamline process of adding new government-issued ID cards into app.
- Revamped information architecture and overhauled visual design language of app with 4 designers and 2 PMs to lay solid foundation for future features.
- Guided 2 senior service designers & mentored 1 intern in their pivot to UX design.

UX Design Intern / Cargill, Inc. Innovation Lab

CHAMPAIGN, IL | SEP 2019 - MAY 2020

Cargill, Inc. is one of the largest global agriculture corporations. Its innovation lab focuses on prototyping and developing new 0-1 concepts to improve manufacturing processes and explore business opportunities.

- Shipped and led UX and UI design of feed mill inventory management prototype for integration into Cargill's ecosystem, by planning and conducting interviews with 7 site managers and managing progress meetings with 2 product owners.
- Led UX design and liaised with PM to define scope of MVP to evaluate market fit of concept that connects farmers with agtech startups.

UX Design Intern / Syngenta Digital Innovation Lab

CHAMPAIGN, IL | MAY 2018 - AUG 2018

Innovation lab focuses on digitalizing and improving management of pesticides or seed products.

CO-CURRICULAR ACTIVITIES

Design Lead / First Generation Americans x Culture (MHCI+D Capstone)

ADVISED BY CHLOE LEE (IDEO), SEATTLE, WA | MAR 2022 - PRESENT

Understanding the relationship first generation Americans have with their culture(s) and identifying opportunities to build more meaningful connections.

UI/UX Design Lead / HackIllinois 2020

UNIVERSITY OF ILLINOIS, CHAMPAIGN, IL | SEP 2019 - MAR 2020

Designed mobile app (Android & iOS), website, and event dashboard for the largest open-source collegiate hackathon with 800 participants and 35+ mentors (open-source professionals).

EDUCATION

Master of Human-Computer Interaction + Design

University of Washington, Seattle

AUG 2022

BFA Industrial Design

University of Illinois at Urbana-Champaign

MAY 2020, HIGHEST HONORS

TOOLS

2D DESIGN

Figma, FigJam, Sketch, Mural, Miro, Photoshop, Illustrator, InDesign, Premiere Pro, Principle, Keynote, Webflow, Otter.ai, Zoom

3D DESIGN

SolidWorks, Blender, Unity, OptiTrack, MotiveTracker

CODE

HTML, CSS, JavaScript, Python, Git, Vega-Lite, D3.js, React, p5.js, Adafruit Circuit Playground, Visual Studio Code

SKILLS

DESIGN

systems thinking, design systems, user flows, product thinking, information architecture, interaction design, wireframing, visual design, data visualization, rapid prototyping, personas, storyboarding, 3d fabrication, 3d printing, physical prototyping, developer handoff

UX RESEARCH

secondary research, literature review, semi-structured user interviews, role-playing, contextual inquiry, competitive analysis, journey maps, cultural probes, card sorting, heuristic evaluation, evaluative research, usability testing, diary studies, survey design