

Etoile Wren Tanaka Boots

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ABOUT

You've caught Etoile Boots at a career pivot! She holds a Bachelor's degree in Data Science and has experience across software and research. Now, she is exploring the world of design through independent projects while documenting her learning through her [Substack](#). Check out below to see her work experiences, skills, and interests.

SKILLS

Design: Figma, Adobe Illustrator, Adobe InDesign, Co-creative design processes

Research Methods: Survey design, interview methods, statistical analysis, agent-based modeling

Technical: Python, R, SQL, data visualization (matplotlib, plotly, streamlit), ArcGIS

Languages Spoken: English (Native), Japanese (Intermediate)

PROJECTS

Comparative Translation of Poetry with Genomics (Information Design)

July - August 2026

Designed an [interactive dashboard](#) inspired by genomic synteny graphs to compare 4 English translations of the ancient Japanese Tanka collection: Ogura Hyakunin Isshu.

Know Your Flights (Information & Product Design)

June - July 2026

Designed and built an [interactive data dashboard](#) for travelers to view US domestic flight delay data on specific routes, times, and carriers. With the goal of aiding travelers to make safer flight decisions.

Mind the (Mobility) Gap! (Equity & Machine Learning Research)

September 2024 - April 2025

Applied Computer Vision on Open-Source Street View Images to extend transit desert research past traditional data sources of community survey data and general transit feed data. [Full report written here.](#)

Hyderabad Hues (Map Making)

February - April 2023

Designed a [3 day tourism map](#) to explore the history and current culture of Hyderabad, India. University collaboration with Open Box Project, an architecture collective.

EDUCATION

B. Sc. in Computational Sciences (Concentration: Data Science)

September 2021 - May 2025

Minerva University (San Francisco, CA)

GPA: 3.85

Relevant Coursework: Dynamics of Design, Arts for Social Change, Artistic Communication: Page to Practice, Documentary Film-making, Modeling & Simulating Complex Systems, Bayesian Statistics, Machine Learning, Statistical Mechanics, Data Structures & Algorithms

RESEARCH EXPERIENCE

NSF-Funded Undergraduate Transportation Researcher

May - October 2024

University of Florida, AI+ CASE Lab, Primary Investigator: Dr. Lili Du (Gainesville, FL)

Collaborated with 2 PhD students in building a deep reinforcement learning model for road flood recovery, prioritizing equity through funneling time-based resources to climate vulnerable communities. Findings presented at UF Secure, Accessible, and Sustainable Transportation Conference in July, 2024.

Psychology Research Assistant

August - December 2023

University of Buenos Aires, Primary Investigator: Dr. Mariana Mansinho (Buenos Aires, Argentina)

Designed survey instruments to collect responses from elderly urban residents on topic of fear of crime.

Founding Psychology Research Assistant

June - August 2023

Minerva University, Primary Investigator: Dr. Mark Sheskin (San Francisco, California)

Authored foundational lab infrastructure (whitepapers, training modules). Designed and ran pilot study to explore the relationship between mental health and music.

INDUSTRY EXPERIENCE

First Intern to Data Analyst

July - December 2025

Wren Climate, YC-19, (Remote)

Helped to refine *Topos*, an AI-driven platform for solar, battery, and wind developers to due diligence projects faster. Iterated on AI-pipelines to improve accuracy and data service across ~50 counties. Served customers directly with trouble-shooting data issues and account confusions.

Data Engineer

January - May 2026

Landgate Corporation (Remote)

Led the acquisition migration of data and infrastructure between Wren Climate's *Topos*, and Landgate.

TEACHING & CURRICULUM DEVELOPMENT EXPERIENCE

Art's Class Teaching Assistant & Writing Workshop Lead

September 2023 - May 2025

Minerva University (San Francisco, CA)

Graded student work, held office hours for AH112: Arts and Social Change. Led the Minerva Writer's Workshop to develop resources and run events to aid students in their poetic and creative writing journeys.

Writing Tutor and Curriculum Development Intern

May - August 2022

Minerva University (San Francisco, CA)

Authored whitepapers on academic writing, thesis development, and communication strategy for incoming international undergraduates with English as a second (or third!) language. Designed and led virtual workshops on argumentation, evidence use, and organization for classes of 15+ students.

SERVICE EXPERIENCE

Barista at San Francisco's Best Coffee Shop (unashamedly stated so by Etoile)

January - July 2025

Paper Son Coffee (San Francisco, CA)

Brewed thousands of cups of specialty coffee and matcha. Served hundreds of salt breads and other pastries to customers. Learned service with a smile!

PUBLICATIONS & PRESENTATIONS

Boots, E., Ning, Y., Pu, C. L., Du, L. Optimization of Road Network Flood Recovery with Deep Reinforcement Learning in Houston, Texas. Poster presented at UF Secure, Accessible, and Sustainable Transportation Conference; August 2024; Gainesville, FL.