Clarice Wang

650-250-3130 | clarice7@seas.upenn.edu | claricewang@gmail.com | linkedin.com/in/claricewang | github.com/clarice-wang

EDUCATION

University of Pennsylvania — Philadelphia, PA

BSE Computer Science + BAS Economics | Sphinx Senior Honor Society: Scribe — *Aug. 2022 – May 2026*

- Concentration: Artificial Intelligence; Minors: Math, Data Science
- Head Teaching Assistant: CIS 7000 (Conversations and Conversational Bots), CIS 1912 (DevOps)

EXPERIENCE

Software Engineering Intern, Coinbase | *San Francisco, CA* — May. 2025 – Aug. 2025

- Joined Coinbase's Platform PG on the Asset Services, Node team.
- Deployed production-grade AI agent observability platform via Helm on EKS; supported by AWS services (ClickHouse, Valkey, Postgres, S3); integrated Okta SSO

Founding Data Scientist, Shelflife | *Philadelphia, PA* — Oct. 2024 – Present

- Building a dynamic markdowns optimizer with LLMs and causal inference techniques.

Machine Learning Engineer, Avary | *Remote* — Jul. 2024 – Jul. 2025

- Researched and evaluated LLM multi-turn conversations for a 3-agent conversation management pipeline.

Value Engineering Intern, Celonis | *New York, NY* — Jun. 2024 – Aug. 2024

- Used LLMs for the semantic understanding of decision trees for Celonis Action Flows with DSPy and TextGrad.
- Framed value for five Life Sciences clients in determining AP/AR and order/inventory management insights.
- Discovered and created GTM content for value engineers and account executives in the Life Sciences vertical.
- Developed a product feedback loop for tracking sustainability metrics and integrating data across Salesforce.

Investment Associate, Fellows Fund | *San Jose, CA* — May 2024 – Sep. 2024

- Conducted due diligence on prospective AI startup investments.
- Analyzed enterprise market segments to identify potential investment opportunities and market gaps.
- Screened Y Combinator batches for sourcing founder conversations.

Strategy and Marketing Intern, Gratia | *Remote* — Jun. 2022 – Oct. 2023

- Investigated trends in AI related to staffing and training.
- Proposed integration of novel staffing and training technologies to startup companies.

PROJECTS

Accenture | *Python, clustering, valuation modeling, SHAP interpretations* — Sep. 2025 – Dec. 2025

- Created the Wharton-Accenture skill index by analyzing and predicting the supply and demand of jobs.

Google | *Python, Meridian, Bayesian inference, MCMC, time series modeling* — Jan. 2025 – Apr. 2025

- Improved marketing mix models (MMMs) by using Meridian to capture long-term brand effects and daily-level sales impacts, extending traditional models beyond short-term ROI.

IKEA | *Python, Google BigQuery, Colab, Gemini, Forecasting, Clustering* — Nov. 2024 – Feb. 2025

- Created a custom GPT to be embedded in the client's MAR that will be able to scan all available client data and tables as well as local data like weather to provide insights into sales trends and forecast sales predictions.

Petco | *Python, OpenAI, HuggingFace, Github* — Feb. 2024 – May 2024

- Determined the "best" creative content for email advertising by building a RAG model for email text content and simulating customers' response to images using LLM user agents as opposed to A/B testing.

Wharton Executive Education | *Python, BERTopic, Webscraping, Data Analysis* — Sep. 2023 – Dec. 2023

- Trained a business trend prediction model as a project with Penn Data Science Group.

Phygital Startup | *Python, Jupyter Notebook, Data Analysis* — Feb. 2023 – May 2023

- Optimized pricing and supply for a phygital startup client as a project with Engineering Consultants at Penn.

Publications & Presentations

A Framework for Evaluating AI Agents in Open-Ended Conversations via Scripted Simulation
Clarice Wang, Yimin Shi, Xiaokui Xiao. *ACM SIGKDD Conference on Knowledge Discovery and Data Mining* (Datasets and Benchmarks Track), August 2025.

Unlocking Imagination: Boosting LLM Creativity with Constraints and Bayesian Optimization, Presented at Stanford Research Conference, 2025.

When Biased Humans Meet Debiased AI: A Case Study in College Major Recommendation
Clarice Wang, Kathryn Wang, Andrew Y. Bian, Rashidul Islam, Kamrun Naher Keya, James Foulds, Shimei Pan. *ACM Transactions on Interactive Intelligent Systems*, 1-28, September 2023.

User Acceptance of Gender Stereotypes in Automated Career Recommendations
Clarice Wang, Kathryn Wang, Andrew Bian, Rashidul Islam, Kamrun Naher Keya, James Foulds, Shimei Pan. *ACM Intelligent User Interfaces*, 134-147, March 2022.

Understanding the EM Algorithm (with code and visualizations), Medium, 2022.

AI for Healthcare: The Promise and Challenges, Medium, 2021.

Technical Skills

Languages: Python, Java, OCaml, R, SQL, C, HTML/CSS, JavaScript, TypeScript
Frameworks: PyTorch, React, Node.js, JUnit, Vue.js, LangChain, Gradio, Streamlit, Cypress
Developer Tools: Jupyter Notebook, VS Code, Git, Bash, LaTeX, PyCharm, IntelliJ, Word, Excel, PowerPoint, Figma
Libraries: Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, BeautifulSoup, Requests, Plotly, NLTK
DevOps: Docker, Kubernetes, AWS (EC2, S3, RDS), Helm Charts, Datadog, Okta SSO, DNS management
Databases & Storage: PostgreSQL, Redis, ClickHouse, Amazon S3