

Satomi Ito

si408@georgetown.edu | +1 (858) 306-5404 | <https://satomitheito.github.io/product/>

EDUCATION

M.S. Data Science and Analytics, Georgetown University

Aug 2024 - Present

B.S. Cognitive Science Spec. in Machine Learning, University of California, San Diego

Sept 2019 - Jun 2023

EXPERIENCES

Data Scientist

Sept 2023 - Jun 2024

University of California San Francisco Neurology | San Francisco, CA

- Built predictive AI models using boosted decision trees and time-series analysis on large-scale medical datasets, improving brain activity prediction accuracy by 21% (PyTorch).
- Automated multi-sourced workflows with Python, SQL, and MATLAB, increasing data processing efficiency by 65%.
- Created interactive dashboards to communicate actionable insights, facilitating data-driven decisions among cross-functional teams.

Artificial Intelligence Research Intern

May 2023 - Sept 2023

WesLabs.ai | Boston, MA

- Developed multimodal sentiment analysis models using natural language processing and computer vision to analyze and categorize content data (PyTorch), a key feature which boosted content interaction rates by 30%.
 - Collaborated with the products team to design and implement a new user dashboard (Figma, HTML, JavaScript & TypeScript), improving dashboard usage by 80%.
 - Introduced GitHub Actions to automate build, test, and deployment workflows. Employed containerization (Docker) to streamline development, achieving reproducible ML experiments for future R&D.
-

FEATURED PROJECT

POPMART POP NOW Predictor - RadahnMiku.dev

May 2025 - Present

- Developed, orchestrated, and maintained a full stack of web scrapers (Selenium), SQLite database, and Flask + React web server on AWS EC2 to provide reliable real-time service to 200+ monthly visitors.
 - Built an advanced logical model to predict product placement using constraint satisfaction and probabilistic reasoning.
 - Designed and implemented an intuitive user experience through critical features such as search, categorical filters, and interactive data visualization (HTML5, CSS, JS).
-

LEADERSHIP

President, Cognitive Science Student Association

May 2022 - Jun 2023

- Doubled total event turnouts through new initiatives promoting diversity, collaboration, and interdisciplinary engagement.
 - Organized 13 workshops, networking events, and panel discussions, resulting in a 20% growth in new members recruited compared to the previous year.
-

SKILLS

Product & Collaboration: Figma, Confluence, GitHub, Microsoft Suite

Technical: Python, SQL, PyTorch, Docker, HTML/CSS/JS/TS

Data & ML: Machine Learning, Time Series Forecasting, Natural Language Processing, Computer Vision

Tools: MATLAB, Tableau, Streamlit