

Ted Wang

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EDUCATION

Cornell University, Duffield School of Engineering

Master of Engineering in Systems Engineering

Research Focus: AI Systems and Open Source Bug Report Evaluations

Ithaca, NY

Expected Dec 2027

New York University, Tandon School of Engineering

Bachelor of Science in Applied Physics

New York, NY

Sept 2018 – Dec 2022

WORK EXPERIENCE

Dreame Technology (CES Asia Innovation Award)

Suzhou, China

Consumer electronics company building privacy first, AI powered home storage devices. (Seed round, \$2M)

Product Manager Intern

Apr 2026 – Jul 2026

- Identified exhaustive API enumeration as the root cause of agent timeouts and rising token costs and prioritized an MCP-based tool registry over incremental API expansion. Reduced unnecessary tool-selection tokens by **80%** and average latency by **3 minutes**, eliminating timeout failures and improving agent scalability.
- Owned model selection for the on-device AI agent, A/B testing **7 LLMs** across **1,000+** prompts using a 6-dimension evaluation framework. Selected Qwen with the winning configuration scoring **4.5/5**.
- Benchmarked competing NAS and cloud-AI privacy models and identified user-controlled data access as a key need. Defined a dual-volume privacy architecture separating local and internet-accessible data, giving users control over AI model access and creating a key product differentiator behind the CES Asia 2026 Innovation Award.
- Ranked Home Theater as the **#1 new feature** opportunity after core file management through research with 100 NAS users and translated findings into an MVP with automated indexing, IMDb metadata, subtitle matching, and on-device recommendations. Achieved **78% beta activation**, **81% of beta users active daily**, and **60% D14 retention**, supporting full-scale implementation.

Spectrum

New York, NY

Designer Engineer III — Product Owner, Internal GIS/CAD Design Tool

Apr 2023 – Mar 2026

- Owned the product roadmap for Spectrum's internal GIS and CAD network design tool used by **200+ engineers**, translating feedback from 30+ users into prioritized improvements and aligning Design, Construction, Operations, and Engineering teams, cutting design turnaround time **40%**.
- Identified manual downstream signal recalculation as a key design bottleneck and defined a 3-click automation for tracing, recalculation, and verification. Cut recalculation time by **90%**, reduced manual errors by **25%**, and saved approximately **2 engineering hours** per project across **3+** regions.
- Identified manual BOM generation and equipment validation as recurring workflow pain points through designer interviews and launched an Auto BOM feature that automatically tracked equipment changes. Cut report-generation time by **50%** and improved network-upgrade budgeting, contributing to approximately **\$700K** in savings per regional operation.
- Designed and delivered **150+ FTTH** and **620+ enterprise fiber solutions** across Manhattan; led a 20 person audit of **1,000+ optical nodes** for DOCSIS 4.0 readiness, improving network data accuracy **28%**.

A.T. Kearney

Shanghai, China

Consulting Intern

May 2019 – Nov 2019

- Analyzed customer and store performance data in Excel for Nike Factory Stores in China, identifying demand patterns and commercial opportunities; synthesized findings into recommendations presented to Nike China executives that contributed to a **15% sales increase**.

PROJECT

TapQ (tapq.ai)

May 2026 – Present

Gesture control interface enabling hands free interaction with AI agents through AirPods motion sensors.

Product Manager

- Launched TapQ, an open-source AirPods gesture interface for hands-free AI agent control, growing from **50 beta users to 200+ downloads** and **500+ GitHub stars**. Achieved **40% D30 retention** while translating head gestures into approve, deny, and selection actions for agent workflows.
- Identified voice attribution as a key limitation of always-on AI interfaces and designed an IMU-based system to distinguish the wearer's speech from ambient audio, enabling full-duplex agent interactions without relying on wake words.

ADDITIONAL INFORMATION

Skills: Python (pandas), MATLAB, LLM APIs, Local Model Deployment, R, JSON, SQL, Figma, Canva

Interests: Soccer, Golf, Cooking, Trading, Sketching, Go