

TENGYAO GU

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EDUCATION

Carnegie Mellon University, Pittsburgh, PA

Aug 2026 - Dec 2027

Master of Information Technology Strategy

Relevant Coursework: Product Management Essentials, ML in Production, Information Security & Privacy

University of Washington, Seattle, WA

Sep 2022 - Dec 2025

B.A. Psychology; Minors in Informatics and Business Administration

GPA: 3.77/4.00 | Dean's List, 2022–2025

EXPERIENCES

University of Washington, Information School, Seattle, WA

Sep 2025 – Dec 2025

Teaching Assistant, Introduction to Data Science

- Guided 100+ students through R-based data cleaning, visualization, analysis, and debugging via weekly office hours and course instruction
- Diagnosed coding and analytical errors across assignments and projects, providing targeted feedback on R implementation, analytical reasoning, and data interpretation

Illuminera, Shanghai, China

Jun 2025 – Sep 2025

Strategy Analyst Intern

- Assessed China's dental market across restorative and orthodontic categories by synthesizing customer, competitor, policy, and market research to identify attractive segments, unmet needs, and growth opportunities
- Analyzed 500+ consumer responses in SPSS to segment customers by awareness, preferences, and purchase behavior, identifying priority customer profiles and product opportunities
- Translated quantitative research and stakeholder insights into market-sizing inputs, target customer segments, and positioning recommendations to support portfolio and go-to-market decisions.

PROJECTS

BeenThere, local-first Place Journal

- Designed and shipped a 0→1 place journal across calendar, map, search/filter, and personal insights, translating user pain points into a PRD, acceptance criteria, and a live installable web app
- Prioritized MVP scope around a local-first, no-account architecture, trading cloud sync and social features for privacy, zero running cost, and a sub-1-minute logging flow
- Built an on-device photo-to-sticker feature using in-browser image segmentation, creating a more engaging journaling experience with no photo uploads or server-side inference cost

MORROW, AI Travel Journal & Planner

- Unified fragmented travel workflows (planning, bookings, expenses, memories) into one "Trip Handbook" product with 8 modules; defined phased roadmap, shipping an MVP in 2 weeks
- Designed an AI-assisted itinerary workflow and made product trade-offs under zero-cost and privacy constraints, replacing AI booking parsing with on-device PDF/OCR import and human confirmation to eliminate API spend and data uploads
- Led a product simplification and launch-readiness pass by removing mock features and fake success states, defining explicit non-goals and acceptance criteria, and completing 3 QA rounds with all 69 tests passing.

Movie Recommendation System, ML in Production

- Developed and evaluated 2 recommendation approaches across a 10,746-movie catalog, using offline metrics to compare model quality and inform model selection
- Used HitRate@10 to guide model selection, identifying collaborative filtering as the stronger approach and improving performance from 0.0031 to 0.0294
- Evaluated an LLM-powered cold-start experience for converting natural-language user preferences into recommendation signals, achieving 84% genre alignment vs. 68% baseline

SKILLS

Product: Product Discovery, Requirements Definition, MVP Scoping, Feature Prioritization, User Flows, Usability Testing, Product Analytics, Roadmapping, Market Research, Customer Segmentation

AI & Data: Python, SQL, R, SPSS, LLM Integration, Recommendation Systems, Model Evaluation

Technical: Swift/SwiftUI, TypeScript, Git, Figma, Excel