

Haoxuan Wei

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SUMMARY

AI Product Manager with a computer science background and product experience across personalization, recommendation, user feedback, and data-driven discovery systems. Proven track record of increasing MAU by 112.4% and generating \$25K+ product revenue through funnel optimization, user behavior analysis, and product discovery improvements. Built AI-oriented projects that translate user signals, preference taxonomies, ranking logic, feedback schemas, success metrics, and safety guardrails into measurable product requirements and scalable recommendation experiences.

EDUCATION

The Pennsylvania State University-Main Campus

Master of Engineering, Computer Science

Dec 2025

State College, PA

University of Wisconsin-Madison

Bachelor of Science, Computer Science

May 2022

Madison, WI

SKILLS & CERTIFICATIONS

- **Product & Project Management:** Product Discovery, PRD Writing, User Stories, Jira-Ready Requirements, Roadmap Planning, Agile / Scrum, Risk Management, Stakeholder Alignment, Cross-Functional Execution, Safety Guardrails, A/B Testing, Grey Release
- **Technical & Prototyping:** React Native, Expo, TypeScript, JavaScript, Python, SQL, PostgreSQL / Supabase, Firebase Analytics, REST APIs, Spring Boot, PyTorch
- **Tool:** Jira, Confluence, Figma, Microsoft Project, GitHub, HubSpot, Langchain, Dify, Claude Code, Codex, OpenClaw, AutoCAD
- **Certification:** Project Management Professional (PMP), OSHA30
- **Language:** Chinese(Native), English(Professional)

PERSONAL PROJECTS

PerfumePlus

Mar 2026 - Present

- **Personalization Roadmap** - Converted 31 user interviews and survey responses into an AI-ready personalization roadmap, defining 19 Jira-ready implementation issues across preference capture, relevance ranking, recommendation logic, localization, accessibility, community trust, and commerce-context flows
- **Preference Taxonomy** - Structured a recommendation-ready fragrance catalog with 56 perfume records, 95 note IDs, 16 accord IDs, 6 mood tags, 8 occasion tags, and 5 season tags, creating a normalized knowledge schema for AI/ML personalization and RAG-based retrieval
- **Relevance Ranking** - Built a deterministic ranking prototype for multi-note discovery, scoring perfume matches by note-pyramid signals, accord overlap, and searchable text using a +3 / +2 / +1 weighting model to return the top 12 matched results
- **Dataset Evaluation** - Created an evaluation and data-quality layer with 12 repository APIs and 1 integrity report covering 8 catalog quality checks; validated the migration with 0 TypeScript errors and established a clean dataset foundation for RAG indexing

VibeWatch

Mar 2026 - Present

- **Preference Modeling** - Converted a "what should I watch?" discovery problem into a 4-action feedback model, mapping Pass, Interested, Save, and Watched events into exclusion rules, positive/negative preference weights, and real-time card queue updates
- **Recommendation Architecture** - Defined a rule-based recommendation engine with 7 ranking signals, 4 hard filters, 3 diversity guardrails, 20-card initial batches, and ≤ 5 -card refill triggers to support cold-start personalization and future embedding-based retrieval
- **Success Metrics** - Created AI product acceptance targets across 6 metric groups, including activation completion, swipes per session, positive-feedback rate, D1/D7/D30 retention, cold-start latency, and card-transition performance
- **Feedback Infrastructure** - Designed a 6-table Supabase/PostgreSQL schema covering users, preferences, content metadata, external IDs, action logs, and recommendation sessions to capture user-level feedback for future ML training and offline evaluation

Recruiter Finder Chrome Extension <https://github.com/schwido1a/ChromePlugin>

May 2026 - Jun 2026

- **Workflow Automation** - Built an 8-step job-to-outreach workflow that converts public job postings into structured job context, recruiter/contact evidence, resume-based matching inputs, a 300-character LinkedIn note, and a copy-ready cold email inside one Chrome Side Panel
- **Safety Guardrails** - Defined evidence-grounded safety rules across 3 restricted source platforms and 13 hosted ATS/domain patterns, preventing DOM scraping, login-wall bypassing, inferred emails, auto-apply, auto-send, LinkedIn automation, and unsupported contact claims

Student Data Service Backend

Dec 2024 - Jan 2025

- **System Architecture** - Designed and developed a modular student management system using Spring Boot and MySQL, implementing RESTful APIs to support core functionalities such as student enrollment, grade tracking, and course scheduling with full CRUD capabilities

- Database Design - Leveraged Java Persistence API annotations, including @Entity, @Table, @Id, and relational mappings like @OneToMany, to model student-course relationships in the database, enabling efficient join queries and improving query clarity and maintainability by 10%
- DTO Encapsulation - Implemented DTO pattern with custom converters to isolate persistence-layer entities from exposed API payloads, preventing accidental leakage of internal identifiers and system metadata

PROFESSIONAL EXPERIENCE

Mino Automation

Project Engineer

Austin, USA · Jul 2025 - Present

- **Program Execution** - Led cross-project resource optimization across 5 concurrent automation programs for Tesla, managing ~150 personnel and reallocating workforce, equipment, and workspace to resolve resource conflicts and ensure on-time delivery of critical milestones
- **Margin Improvement** - Drove \$20.25M+ milestone invoicing and cash collection, improved project gross margin from ~27% to ~32% (+5%) through workforce optimization, cost control, and ECO negotiation
- **Risk Mitigation** - Achieved 97%+ issue closure rate before acceptance by implementing a prioritization framework and driving cross-functional problem resolution
- **Resource Planning** - Implemented structured tracking of manpower and supply requests via Microsoft Project and Jira, improving forecasting accuracy for resource needs and reducing last-minute adjustments by 19%
- **Stakeholder Management** - Negotiated with key suppliers on material and service contracts, achieving 28% cost savings while maintaining quality standards and timely delivery
- **Operational Insights** - Leveraged data analysis on 15,024+ failure hours to generate actionable insights and improve execution strategy

Virtuos

Assistant Project Manager

Xi'an, CHN · Feb 2024 - Jun 2024

- **Project Delivery** - Led delivery of multiple digital projects, coordinating cross-functional teams of up to 21 members using Jira and Confluence, and optimized execution strategies to cut production timelines by 23% while preserving delivery quality
- **Stakeholder Alignment** - Drove project planning, risk management, and stakeholder alignment using Agile and Waterfall methodologies, achieving 13% labour cost savings and ~97% client satisfaction through accurate estimation, structured communication, and proactive risk mitigation
- **Risk Management** - Implemented risk management protocols, including Daily Scrum meetings and Sprint Retrospectives, to proactively identify and mitigate project risks, enhancing project efficiency and team dynamics, and saved 13% in labor costs

Dreality

Assistant Product Manager

Shenzhen, CHN · Jul 2023 - Feb 2024

- **Product Discovery** - Owned flight and hotel discovery, using Firebase Analytics, support tickets, Play Store reviews, and competitor research to define search, filtering, itinerary, booking, and recommendation requirements, which guided the product roadmap and improved feature adoption
- **Growth Analysis** - Analyzed user behavior and feedback across discovery, itinerary saving, and booking-intent flows, increasing MAU by 112.4% and generating over \$25K in product revenue through engagement and retention improvements
- **Funnel Analytics** - Built a booking-funnel dashboard that visualized search, filter usage, card views, itinerary saves, and booking redirects, enabling the product team to prioritize features and accelerate release decisions

Project Manager Intern

Feb 2023 - Jul 2023

- **User Story Planning** - Led requirement alignment across a 12-member team, translating stakeholder goals into 40+ actionable user stories and acceptance criteria, reducing ambiguity and improving sprint execution
- **Agile Execution** - Applied Agile Scrum methodologies including sprint retrospectives and backlog prioritization, accelerating the project milestone by 18 days, from 97 to 79
- **Feature Design** - Owned design requirements for Market and Plot features in Unity, aligning gameplay logic, cinematic flow, and user interactions across 20+ scenarios to improve responsiveness and playability

LEADERSHIP EXPERIENCE

Pennsylvania State University | *Research Assistant*

May 2025 - Jul 2025

- Led a small research work stream with 3 graduate collaborators, coordinating task ownership, weekly progress tracking, and research deliverables to keep the project on schedule
- Synthesized insights from 160 academic papers and guided team discussions to clarify research scope, assumptions, methodology, and next-step priorities
- Standardized research documentation across datasets, experiment logs, and analysis outputs, improving reproducibility and reducing review-cycle clarification by approximately 20%
- Delivered 10+ research briefs and presentations, turning complex technical findings into clear recommendations for project planning and follow up research
- Coordinated literature review and data analysis across 160 academic papers and 5,000+ data rows, ensuring consistent methodology and actionable research outputs