

Yiwen Ding

Philadelphia, PA | dingywn@engineering.upenn.edu | 607-379-1110
LinkedIn: dingyiwen | Graduation: May 2027
Work Authorization: STEM OPT | active H-1B visa (5+ yrs remaining)

Technical Skills

- **Technical Program Management:** Agile/Scrum, Waterfall, Roadmap Planning, Requirements Definition, Prioritization, Risk & Dependency Management, Technical Trade-off Analysis, Cross-functional Leadership, Stakeholder Management, KPI-driven Decision Making, Partnership Negotiation.
- **Software & Systems:** Java, C++, Python; TypeScript, Node.js, React, FastAPI, SQL; REST APIs, Distributed Systems, Operating Systems, Git/Docker, CI/CD, AWS, Azure.
- **AI & Data:** Generative AI, Machine Learning, Large Language Models (LLMs), Retrieval-Augmented Generation (RAG), Agentic Workflows, Model Context Protocol (MCP), Vector Databases (FAISS), MLflow, R, Stata, JMP.
- **Domain Knowledge:** FDA, GCP, GLP, GMP, IRB, HIPAA, Quality Management Systems, SMB & E-commerce Operations.

Leadership & Activities

- **Leadership:** Led a 5-member team in launching EasyTransfer’s U.S. East Coast market from the ground up, owning early market development and growth; served as Team Leader for AAIV at Cornell, organizing weekly group activities and community events.
- **Teaching & Community:** Served as a TA for Molecular & Cell Biology and Marketing, supporting instruction and communicating technical and business concepts to students; led Accreditation & Fan Operations for the **FIFA World Cup 2026** in Philadelphia.

Education

University of Pennsylvania, Master of Applied Science in Computer Science	Aug 2025 – May 2027
• Relevant Coursework: Distributed Systems, Operating Systems, Machine Learning Cum GPA: 3.9	
Cornell University, BS in Food Science, minor in Business Major GPA: 3.9, minor GPA: 4.0	Aug 2020 – May 2022
• Relevant Coursework: Interdisciplinary Core: Full suite of Life Science & Engineering prerequisites	
China Agricultural University, BEng in Food Science & Engineering (Dual Degree Program)	Aug 2018 – Jul 2020

Experience

[Portfolio](#)

Software Engineering Intern , MedicScribe – Philadelphia, PA – Part-time	Jul 2026 - Present
• Architected the front-end and secure data pipeline for a specialized EMS application piloted by Stanford’s EMT group ; enforced strict HIPAA compliance standards for PHI while implementing intuitive mobile UIs for high-stress environments.	
Software Engineering Intern , Cronwell – New York, NY – Full-time	Jul 2026 - Sep 2026
• Built and shipped AI-agent, distributed-processing, serverless, WebAssembly, and enterprise SSO systems in a fast-paced startup environment, owning projects from ambiguous requirements through implementation and testing.	
• Designed a distributed coding-agent architecture with Redis/BullMQ and benchmarked 32 concurrent edge agents with zero failures and P99 latency of 3 ms, using performance data to guide technical trade-offs.	
Project Manager , Amerigo Scientific – Hauppauge, NY – Full-time	June 2023 – May 2025
• Led cross-functional programs across Engineering and Sales , translating business priorities into technical requirements, managing dependencies and trade-offs, and driving execution against shared KPIs.	
• Coordinated priorities and resource allocation across Engineering, Logistics, and Sales, resolving cross-functional dependencies and providing regular progress, risk, and strategy updates to C-suite leadership .	
• Led partnership negotiations with 100+ global organizations across North America, Europe, and Asia, contributing to 85% of annual revenue.	
• Built and deployed agentic marketing automation workflows using JavaScript and Python; applied data analytics to optimize sales funnels, improve outreach efficiency, and accelerate pipeline velocity .	
• Served as a domain expert at major U.S. pharmaceutical and biotechnology conferences, translating customer and market insights into product and business recommendations and leading global staff training.	
Clinical Research Coordinator , Cornell University – Ithaca, NY – Part-time	Dec 2022 – Jun 2023
• Coordinated concurrent clinical research programs serving 200 participants per quarter, balancing investigator priorities, participant availability, protocols, and limited resources while maintaining 100	
• Translated research objectives into repeatable workflows, identified execution risks and blockers, and coordinated cross-team handoffs to keep milestones on schedule.	
Associate Scientist , Eurofins Lancaster Laboratories – Lancaster, PA – Full-time	Aug 2022 – Dec 2022
• Performed client sample testing in BSL-2 per cGMP/GLP/USP; collaborated with PM to ensure on-time precise delivery.	
Research & Data Analysis <i>Insect Science</i> co-author - Leveraged R & BLAST for meta-analysis	2019 – 2022
• Conducted large-scale analysis of USDA nutritional datasets, interpreting data to support research and decision-making.	

Projects

[GitHub : dingonewen](#)

Terminal Coding Agent GitHub Mastra · Fastify · Redis/BullMQ · LibSQL · OTLP/Logfire	Jul 2026 – Aug 2026
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