Lawrence Hua

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ABOUT

AI Product Manager with a background in engineering and a proven record in launching operational AI solutions. Built Expired, a CV + GPT platform targeting grocery shrink reduction and ops optimization. Strong in stakeholder alignment, cross-functional execution, and data-informed growth strategy.

SKILLS

- **Product Management & Strategy:** Agile (Scrum/Kanban), Product Roadmapping, PRD Writing, A/B Testing, KPI Definition, Strategic Planning, Competitive Analysis, Stakeholder Alignment, Go-to-Market (GTM) Strategy, Customer Discovery
- **Artificial Intelligence & Analytics:** LLM Integration (GPT-4 via Azure), Computer Vision (YOLO, Image Embeddings), Prompt Engineering, MLflow, Predictive Analytics, Generative AI, Power BI Dashboards, Data Storytelling
- **Software Engineering:** Python, Java, JavaScript, SQL, REST APIs, Flask, FastAPI, JSON Schema, Git, Firebase, Mobile App Development (iOS/Android), Android Debug Bridge (ADB)
- **Cloud Platforms & Infrastructure:** Azure (App Services, VMs, Blob Storage, API Management), AWS (EC2, S3, Lambda Basics), Microsoft Power Platform (Power Apps, Power Automate), SharePoint, GitHub Actions, Docker (basic), CI/CD Pipelines

WORK EXPERIENCE

Product Manager Intern | *PM Happy Hour* Remote | Mar 2025 – Present
- Scaled community engagement by **30%** by implementing AI-generated content strategies (AIGC) and analytics-driven optimization.
- Increased feature adoption by **20%** through A/B testing experiments and iteration on user feedback.
- Expanded Discord community by leading cross-functional initiatives across content, marketing, and community teams.

AI Product Consultant & Computer Science Instructor | *Tutora* Chicago, IL | March 2021 – Present
- Automated scheduling, grading, and tutor substitution workflows, saving **15+ hours per week** and reducing review time **by 50%**, by integrating Otter.ai and Dola AI solutions.
- Improved client operational efficiency **by 25%** by consulting on AI-driven process optimizations and training implementations.
- Designed and launched 50+ custom TI-BASIC programs, boosting standardized mathematics scores **by 35%** across 50+ students.

Product Manager Intern | *PanPalz* Remote | August 2024 – January 2025
- Delivered product roadmap alignment across leadership, engineering, and design, resulting in **successful pre-launch execution** for a nonprofit social media platform.
- Improved UI/UX consistency **by 40%** by refining 100+ Figma frames based on user testing and heuristic analysis.

Embedded Android Developer | *Motorola Solutions, Inc.* Schaumburg, IL | August 2021 – August 2023
- Improved device GPS accuracy and security authentication features, impacting **15,000+ users**, by developing Android system extensions for APX Next Smart Radios.
- Reduced defect backlog **by 80+ issues** and cut integration delays **by 25%** through agile coordination with global teams.
- Led cross-team debugging and feature integration, enhancing reliability and reducing user-reported errors.

Systems Administrator | *University of Florida C.A.L.S* Gainesville, FL | May 2019 – May 2021
- Maintained a **95% customer satisfaction rate** across 200+ users by managing Linux/MacOS IT systems and resolving technical issues.
- Built and deployed a Microsoft Power Platform asset tracking app, managing 100+ devices, reducing manual tracking time **by 60%**.
- Trained and supervised a 20-person lab tech team, streamlining operational support processes.

PROJECTS

Expired Solutions | CoFounder & CEO | *CMU Tepper School of Business*
Pittsburgh, PA | August 2024 – Present
- Led strategy and development of Expired, an AI platform for grocery ops leveraging CV + GPT to optimize product placement, markdowns, and freshness scoring.
- Pitched an 8-week pilot with Giant Eagle targeting 20% shrink reduction and 35% improved employee handling accuracy in-store.
- Conducted 15+ executive interviews and surveyed 250+ shoppers to validate pain points and product-market fit
- Finalist – 2025 McGinnis Venture Competition (Top 4, Social Enterprise Track)

Enterprise AI Decision-Support Tool | Kearney Student Lab, Lead Technical Consultant | *CMU Tepper School of Business*
Pittsburgh, PA | August 2024 – December 2024
- Reduced operational decision-making time by 26% (18 hours / week) by building an enterprise LLM-powered decision-support prototype.
- Led user research, competitive analysis, and system integration across OpenAI APIs, Python, Flask, and JavaScript.

EDUCATION

Carnegie Mellon University | Master of Information Systems Management Pittsburgh, PA | December 2024
Concentration: IT Strategy and Management, Artificial Intelligence and Machine Learning

University of Florida | Bachelor of Computer Science Gainesville, FL | May 2021
Concentration: Computer Science

CERTIFICATES AND AWARDS

- Professional Scrum Product Owner 1 ([ID: 1215962](#)) Remote | May 2025
- IBM AI Product Manager Professional Certification ([ID:EQXZY8ZW7TFL](#)) Remote | July 2024
- **Won 1st place** in Motorola Solutions Innovation Hackathon (Product development, Android, NFC, Messaging) Remote | November 2021