

# Luke Profio

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[www.lukeprofio.com](http://www.lukeprofio.com)

**Technical Product Leader** who builds production AI/ML systems at scale. At Aurifex I built and launched a multiomics analysis platform with 48 advanced tools across genomic, transcriptomic, proteomic, epigenomic, single-cell, and metabolomic workflows, growing the user base 25% month-over-month with 70% three-month retention while securing seed funding and delivering 100% of core features on schedule. At UT-Austin I own the vision and roadmap for a multi-stage pediatric brain-cancer detection platform that ingests whole-slide images, predicts 8+ biomarkers, and delivers >95% diagnostic accuracy (AUC 0.97) while cutting inference time from 18 to 3 minutes per slide. At UW Health I launched several Azure agentic workflows on Epic EHR now used daily by thousands of clinicians, achieving >90% auto-accept rates and reclaiming >42,000 hours of clinician time in the first year. At Workday I shaped the global AI roadmap for 70M+ users by identifying 8 strategic partnerships and driving cross-functional research that accelerated public commitments. Earlier I built AI recommender and ranking systems at Gallify and CODAworx that doubled creator-side retention, increased GMV, and materially improved match rates between eCommerce listings, artists, and commission opportunities. I combine technical expertise with relentless user focus and cross-functional leadership to turn complex domains into products that people adopt, love, and trust; my superpower is translating AI systems into tangible impact, while helping others along the way.

Product Management | Artificial Intelligence | User Experience | Software Engineering

**Carnegie Mellon University, Master of Business Administration (MBA),** Management Science

**The University of Texas at Austin, Master of Science (MSc),** Artificial Intelligence

**The University of Colorado, Boulder, Master of Science (MSc),** Computational Data Science

**The University of Wisconsin, Madison, Bachelor of Science (BSc),** Genetics

## PROFESSIONAL EXPERIENCE:

### **Chief Product Officer, AI/ML**

#### **Aurifex**

*2025 – Present*

- Led product development from zero to launch, shipping 48 advanced analysis tools across multiomics workflows with 100 percent of core features delivered on schedule and an average feature cycle time under three weeks.
- Grew the user base by 25 percent month over month in the early stage, while maintaining about 70 percent three month retention through rapid, feedback driven iteration.
- Secured seed funding, translating deep technical work in genomics and AI into clear business value and landing several strategic pilot relationships.
- Built and managed a cross-functional team of 6 engineers and designers, implementing processes that cut average time to ship new features by 40 percent and reduced production level bugs by 30 percent.
- Used product analytics, experiment results, and direct customer interviews to prioritize the roadmap, driving 35 percent improvement in key engagement metrics and reducing early churn by 20 percent.

**Senior Product Management Consultant, AI/ML**  
**Workday**

*2024 – 2025*

- Shaped Workday's global AI/ML product strategy by prioritizing high-impact solutions that reduced cost, lowered enterprise risk, and improved UX for 70M+ end users worldwide.
- Built and delivered a comprehensive market map of 50+ vendors; recommended 8 strategic partnerships that aligned directly with Workday's platform goals and enabled co-development opportunities.
- Led a 6-month cross-functional research initiative with design, engineering, and exec leadership; drove prioritization, synthesized insights into artifacts, and presented recommendations to customers and internal stakeholders, significantly increasing buy-in of Workday's AI roadmap.

**Senior Technical Product Manager, AI/ML**  
**UW Health Medical System**

*2023 – 2025*

- Owned a 50+ use-case AI roadmap on Epic EHR; successfully launched several production Azure agentic workflows (e.g. medication reconciliation summaries, discharge instructions, patient message triage) now integrated in daily workflows of thousands of clinicians across the health system.
- Achieved 90% auto-accept rates and saved >42,000 clinician hours in the first year alone by automating repetitive, high-volume, low-risk documentation tasks that previously consumed up to 20% of nursing shift time.
- Built and productionized a real-time Databricks feedback pipeline that ingested usage telemetry and qualitative signals, cutting iteration cycles from months to days and driving continuous prompt, retrieval, and UX optimization.
- Led technical integrations of GenAI agents with Epic, Best Buy Health RPM, and UiPath RPA platforms while implementing regulatory compliance and guardrails.

**Technical Product Director, AI/ML**  
**CODAworx**

*2021 – 2023*

- Implemented an AI recommender system that improved project match rates by 20% and increased repeat commission bookings by 15% through a personalized ranking of artists, briefs, and e-commerce inventory.
- Owned full product lifecycle for a two-sided eCommerce marketplace connecting artists with commissioners and buyers; led an 8-person cross-functional team from vision through scaled revenue growth.
- Doubled customer retention by designing and shipping self-service onboarding, in-app guidance, and personalized outreach flows via cohort analysis and NPS feedback.
- Redesigned core inventory, RFP, and transaction workflows using A/B testing and real-time analytics; reduced fulfillment time by 40% and drove material GMV uplift.
- Established product-led growth discipline (e.g. analytics instrumentation, funnel optimization, experimentation cadence) that positioned CODAworx as the category-leading platform for public art commissions.

**Chief Product Officer, AI/ML**  
**Gallify**

*2016 – 2021*

- Designed an AI recommender system for e-commerce listings that increased click-through rate by 20% and boosted average order value by 10%.
- Built core AR/VR features using Solidity smart contracts, Apple ARKit, and Object Capture, shipping 10 major releases that enabled NFT marketplace transactions and immersive gallery experiences for iOS users.

- Led a team of 10 designers and engineers, establishing sprint cadences and one-on-ones that improved on-time delivery from 60% to 85% and reduced average bug resolution time by 35%.
- Served as the primary product and technical decision maker, setting priorities and engineering standards that increased team velocity by 30% while keeping scope and budget within 10% of projections.
- Owned full cycle hiring from sourcing to onboarding, growing the engineering and design teams from 3 to 10, and reducing time to productivity for new hires by 25% through structured onboarding and documentation.
- Managed engineering deliverables across time, scope, and cost, delivering all active projects on schedule with an average variance of under 10% from initial estimates while maintaining quality standards that kept production incidents below 2% of deployments.

Non-Technical Skills: Portfolio Management, Program Management, Product Management, Project Management, Communication, User Experience (UX), Competitive Analysis, Product Strategy, Market Research, Product Launch, Product Vision, Cross-Functional Team Leadership, Business Analytics, OKRs, KPIs, Go-to-Market

Technical Skills: Python, R, AI/ML, Data Engineering, SQL, APIs, Keras, TensorFlow, PyTorch, NLP, REST Integrations

Tools: Jira, Confluence, Tableau, Databricks, Microsoft Azure, Google Cloud, AWS, Figma, Power BI, Tableau

Volunteering: U.S. Technology Policy Committee Member at the Association for Computing Machinery; Founder of AI@CMU; Eagle Scout; Volunteer at UW Health; Volunteer at the National Alliance on Mental Illness; Member of the OpenAI Forum

Certifications: Certified Scrum Product Owner (CSPO), Project Management Professional (PMP), Agile Certified Practitioner (ACP), Certified Scrum Master (CSM), Carnegie Mellon University Software Engineering Certificate, UW-Madison Regenerative Medicine Certificate

Awards: The Massachusetts Institute of Technology Academic Merit Scholarship; Carnegie Mellon University David A. Tepper Academic Merit Scholarship, UT-Austin Academic Merit Scholarship, UC-Boulder Academic Merit Scholarship, Albert J. & Adelaide E. Riker Academic Merit Scholarship, Sprint Forward Academic Merit Scholarship, William F. Vilas Academic Merit Scholarship, Qualtrics Academic Merit Scholarship, Distinctive Scholastic Achievement, Dean's List, Wisconsin Music Teacher's Association Exemplary Soloist & 1<sup>st</sup> Place, National Federation of Music Clubs Exemplary Soloist & 1<sup>st</sup> Place, Milwaukee Music Teacher's Association 1<sup>st</sup> Place, Wisconsin State Music Association 1<sup>st</sup> Place

Organizations: CMU Tech & Entrepreneurship, Carnegie Mellon University Alumni Association, National Eagle Scout Association, Product @ CMU, Project Management Institute, Scrum Alliance, Wisconsin Alumni Association

Languages: English (Native), Italian (Elementary), Latin (Elementary)

Hobbies: Biking, Hiking, Reading, Video Games, Travelling

*References and additional information available upon request.*