

Jonathan Kaplan

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PROFESSIONAL SUMMARY

Product leader with 10 years of experience driving algorithm development and data-driven solutions across wearable technology, autonomous systems, and healthcare. Proven track record of translating complex technical requirements into user-centric products, with expertise in signal processing, AI/ML implementations, and cross-functional team leadership. Demonstrated success in developing strategic roadmaps that balance technical innovation with measurable business impact.

EXPERIENCE

Product Manager II

Wing (Formerly Google X), Remote | November 2022 - Present

Led product vision and strategy for AI-powered autonomous drone delivery system, managing multiple software products through global launches:

- Spearheaded development and launch of three critical Flight Operations web products, boosting operator efficiency and reducing operator cost per delivery by over 40%, pushing drone delivery towards profitability for retail partners.
- Owned the Flight Operations interface product roadmap, facilitating global expansion with industry giants like Walmart and DoorDash to 30 sites in 2024 and over 100 in 2025 managing the world's largest autonomous drone fleet.
- Led a small team of product managers working cross-functionally with over 15 engineers, designers, researchers, and regulatory personnel to achieve regular global launches of Flight Operations software products.

Product Manager

Dephy, Inc., Maynard, MA | May 2021 – November 2022

Led cross-functional teams in the development and launch of AI-driven wearable robotics product line:

- Exceeded first-year revenue goals by \$500k+ through strategic product positioning and go-to-market execution.
- Awarded \$1.6M+ in government funding, defining product roadmaps for defense applications.
- Secured two U.S. patents (11389367, 11148279) for innovative signal processing and control systems in exoskeleton technology, including real-time feedback optimization and customized controller configurations
- Conducted market research and feature road mapping, resulting in 25 active customers and 100+ device shipments.

Software Engineer

Dephy, Inc., Maynard, MA | March 2020 - April 2021

- Implemented signal processing algorithms for real-time motion detection in wearable devices
- Developed data pipeline for collecting and analyzing user movement data, enabling rapid algorithm iteration
- Created internal tools that saved hundreds of engineering hours and launched a web-based database that reduced customer support wait times from weeks to under 48 hours.

Research Engineer

U.S. Army, Natick, MA | June 2015 - February 2020

- Led AI algorithm development for automating CT scan processing, predicting knee injury likelihood through machine learning models analyzing joint geometries, contributing to preventative healthcare technology.
- Created and executed data collection strategies for wearable sensor validation, managing multi-year roadmap for technology adoption by the US Army.
- Secured \$400k+ in grants and published 8 peer-reviewed manuscripts with content in signal processing and algorithm development for healthcare applications

EDUCATION

- M.S., Biomedical Engineering - University of Connecticut, Storrs, CT
- B.S., Biomedical Engineering - University of Connecticut, Storrs, CT