

Profile

AI-native Technical Product Manager with 4.5 years leading an AI-powered B2B SaaS platform from 0 to 1. Former architect and .NET software developer specialising in computational design, data systems, design systems and complex technical workflows. Experienced owning product roadmap, UX and delivery across cross-functional teams building technically advanced software products using the latest AI tools and workflows.

Skills Stack

Technical

.NET Framework, C#, Python, SQL, APIs, data analysis, data visualisation, OpenAI Codex

Product

Figma, Agile delivery, discovery, roadmapping, sprint planning, platform strategy, UI/UX design, Lovable

Domains

Machine learning, computational design, 3D geometry, CAD, B2B SaaS, marketplaces, 0→1 product development.

Professional Experience

06/2021 - 03/2026

KOPE AI, Product Manager (Platform)

Led product strategy and delivery for an AI-powered B2B SaaS platform for construction manufacturers, enabling 95–99% reductions in bid preparation time. Owned the product roadmap end-to-end, translating complex technical and domain requirements into prioritised features delivered through iterative releases. Built a multiplayer no-code computational design platform with advanced CAD editing, hierarchical configurability and an integrated marketplace. Led roadmap planning, backlog prioritisation and delivery specifications (Figma, Productboard), working cross-functionally with engineers and leadership from discovery through production release. Redesigned multi-objective AI optimisation UX and ran continuous user research to improve usability. Presented product work at international conferences and universities including Stanford and UCL.

04/2017 - 04/2021

AHMM, Software Developer & Computational Design Specialist

Developed a wide range of custom digital design and workflow automation tools to suit individual teams' needs at a large architecture firm. Built new applications and software plugins across the full .NET stack, gained expertise in machine learning, applied mathematics, data analysis, data visualization, database creation and UI/UX design, C#, IronPython, SQL, XAML and WPF. Developed and delivered internal training on programming.

Education

06/2019 - 09/2019

Applied Machine Learning (EMC0619), Emeritus Institute & Columbia Engineering (97.1%)

Awarded a certificate in Applied Machine Learning, a course taught by mathematics department of Columbia University. Students coded implementations of classic ML algorithms in Python. Passed with score of 97.1%.

01/2015 - 07/2016

Professional Diploma in Architecture, The Bartlett School of Architecture, UCL (Merit)

Passed with Merit from diploma in practice management and law, completing my training as an architect.

09/2008 - 07/2013

Master of Architecture, The Welsh School of Architecture, Cardiff University (Commendation)

Passed with Commendation from combined Bachelors/Masters program in architecture.

2025

USA Patent Application No 19/047,816

Listed as one of 5 inventors for our software patent: 'Construction software platform for evaluating use of one or more construction products for use in construction projects'.

Publications

2020, DOI:10.47330/DCIO.2020.THHT2676

Design Computation I/O Conference 2020

Published research paper at UCL's first-ever DC I/O conference: 'An Introspective Approach to Apartment Design', demonstrating novel software that uses machine learning to lay out apartments.

Open Source Projects

2019 - 2020

Regular

Developed an open source tool for construction data management. The UI lets user define flexible formatting rules for their data in plain English, which are silently translated into regular expressions and validated against.

2019

Dynamo Python Primer

Wrote highly popular online guidance on using Python within popular construction software, Revit and Dynamo.

University Teaching

2022 - 2024

MSc Sustainable Design and Construction, CEE Department, Stanford University

Repeat guest presenter, demonstrating KOPE at university course CEE 324: Industrialized Construction.

Conference Presentations

2018 - Present

Regular speaker and panelist at research and industry conferences, community events

Presented at Industrialized Construction Forum (Stanford University), Autodesk University, NXT DEV, DC I/O, Offsite Expo, Digital Construction Week, ArchiTech Network, UK Dynamo User Group, Foster + Partners ARD.

Podcast Appearances

2021

YourDesk University, 'Helping Architects Architect'

Wide-ranging interview covering my work developing novel tools to help architects explore design options, automate everyday processes and upskill architects in the overlapping space between code and design.

2021

AEC Tech Journeys S03 E03, Oliver Green's Journey and his AI-Architecture Research Work

A technically focused interview, exploring my work in using machine learning to lay out apartments, different approaches tried, the history of architectural automation research and what the future looks like for architects.

Other Languages

2001 - Present

German

Achieved a high level of professional fluency after 7 years' study and 1 year living abroad in Berlin.