

EDUCATION

University College London (UCL) - MEng Biomedical Engineering

Sep 2022 – Sept 2026

• Relevant Modules: Project Management, Mathematical Modeling, Machine Learning, Computer Vision for Surgery, Computing in Medicine, Solid + Fluid Mechanics, Nanotechnology

EXPERIENCE

MediGuru

Associate Product Manager Intern

London/Chicago

June 2024 – Sept 2024

• Implemented patient history LLM for doctors, rewriting the LLM’s core system prompts, that drove a 20% increase in information retrieval accuracy

• Conducted voice of the customer surveys to write technical specifications, addressing user issues on data retrieval

• Handled confidential patient history documents and images, handling compliance with GDPR

• Owned 3 month MVP roadmap for USA’s ‘Food as Medicine’ initiative, writing detailed user requirements from market analysis, direct customer feedback, and stakeholder input, focusing on user needs and functionality

• Directed a cross-functional team of UI designers and engineers, drawing wireframes to translate user requirements into a MVP, securing client investment of over \$30,000

PSG Hospitals

Hospital Management Intern

Coimbatore, India

June 2023 – July 2023

• Earned Hospital Director’s Commendation by presenting data-driven findings on equipment management strategies for streamlining hospital operations by 15%

• Optimized workflows for the maintenance and repair of critical medical devices, accomplishing a 30% reduction in equipment downtime across key hospital departments

• Constructed a Python application to automate data extraction from Excel spreadsheets and integrate it into hospital system, streamlining data workflows and saving 10 hours of manual data entry each week

• Performed trend analysis, accessed with SQL, to assess hospital equipment performance and identify recurring technical issues, leading to formulate a strategy of efficient preventive maintenance schedules, reducing workloads for colleagues

PROJECTS

Fridge.ai

May 2025 – Present

UCL Innovation and Enterprise

London

• Authored the product roadmap by gathering qualitative user interviews (20+ sessions) and quantitative market analysis

• Successfully integrated a free-tier OCR API for receipt scanning after identifying initial resource constraints. This creative solution reduced projected MVP costs by 15% while still delivering the app’s core automation feature

• Drove the end-to-end development of the fridge mobile app from concept to MVP for the UCL Hatchery incubator

Prostate Cancer Lesion Detection from MRI with Deep Learning

Sept 2024 – May 2025

3rd Year Dissertation

London

• Developed and deployed deep learning models (nnUNET and Swin-UNETR Transformers) for automated prostate cancer detection, achieving Dice similarity scores of 0.91+, using High Performance Computing Clusters

• Deployed semi-supervised techniques, reducing annotation dependency, maintaining a high detection sensitivity of 82%

• Conceptualised a go-to-market plan for the software as a medical device product, for use by radiologists

LEADERSHIP POSITIONS

UCL Engineering Society

Marketing Director

June 2024 – June 2025

• Utilised PhotoShop and Canva to revamp our social media pages, focusing on prestige and providing value to members

• Strategic planning of interactive social media posts reaching over 3000 members, growing social media followers by 10%

• Secured sponsorships from Qualcomm, Bloomberg and Shell, securing £8,000+ in society funding

ADDITIONAL INFORMATION

Coding Languages: Python, PyTorch, SQL, JavaScript, React, HTML, CSS, and L^AT_EX

Software Skills: Adobe Creative Cloud, Figma, Canva, Framer, Miro, Tableau

Other Leadership Roles: Gear Secretary + Welfare Officer (UCL Muay Thai)