

Maxim Hunt

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Motivation

As a full stack product engineering developer, I create market ready products and systems in an efficient timeframe while maintaining a high level of reliability and scalability.

Experience

2023 - Present **Product Developer @ Native Design / Zuma.ai**

- Specialised in software and hardware product/system development for multiple F500 clients
- Generated over 500k in revenue in under a year through successful execution of SW/HW client projects
- Yielded substantial client satisfaction and time savings (66% faster) by centralising project development
- Skillfully managed large clients by swiftly resolving unexpected issues through effective communication
- Worked on over a dozen projects in various roles in several teams, in an IC and Management capacity
- At Zuma: improved software reliability by spearheading development of an end to end CI/CD pipeline

2021 - 2023 **Tech Lead @ Tewke.com**

- Leading development of a AI Smart Home IoT product suite, aimed at saving energy in the home
- Designed and manufactured 3 functional SW + HW EVT's which were used to raise capital from VC
- Responsible for developing prototype testing rigs for data collection and real time stats (Flask + JS)
- Optimised product development by applying milestone based sprints, improving delivery time by 3X
- Work included: project planning and management, software development (Python, JS, C++), PCB design (High Voltage), rapid prototyping (FDM/ SLA) and advanced fabrication processes

2020 - 2021 **Lead Engineer @ MoD DSTL Contract**

- Solely responsible for the end to end engineering development of an autonomous logistics vehicle
- Developed the MVP (fully functional) from zero, 62% faster than other commercial teams (5 months)
- Work included: Autonomous navigation, Computer Vision and automation software (Python, JS, OpenCV, NodeJS), Networking, CAD, Mechatronics, Optimisation and Operational Security

Summer 2020 **University Placement @ Ocado 10X Labs**

- Worked in the 10X innovation department, developed patented tech to be used in the next 5-10 years
- Developed software and hardware for an autonomous prototype performing last mile delivery
- Work included: Product design, Software (Python), CAD, Electronics, optimisation and testing

Education

2017 - 2021 **Imperial College London, MEng in Design Engineering. Dean's List. First Class Honours**

- *Design Engineering is the fusion of design thinking and engineering knowledge and practice within a culture of innovation and enterprise*
- Key modules: Computing, Big Data, Machine Learning, Optimisation, Electronics & IoT, Robotics, Production & Materials, Nanotech, EVT / DVT / PVT, CAD / CAM / CAE, Mechatronics, and Business

Skills and Competencies

Python	GitLab CI/ CD	Mechanical Design
React.js (currently learning)	Pandas Numpy	Mechatronics
HTML CSS JS	PyTorch	Control Systems
Node.js + Express.js	OpenCV	Hands-on prototyping
Embedded C++	Solidworks	ESP32 Arduino Teensy NRF52

Other Achievements

Configured personal server, running on a Pi 4 with docker services, managed through google domains, nginx and ddclient. Server purposed as a portfolio site, git server, download server, vpn, and platform for deploying personal projects.

Developed multiple personal full stack projects: polypaint.io (million dollar homepage clone running on the polygon blockchain with a solidity SC), app.maxhunt.design (template shopping site idea), siot.maxhunt.design (ML plant watering predictor).