

OLIVER THOMPSON

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Aspiring product manager with computer science, design engineering and business skills as well as startup experience.

EDUCATION

MSc Computing Science - Imperial College London

2020 - 2021

- Core modules: computer architecture, C++, operating systems, OOP and logic.
- Elective modules: software engineering, algorithms, distributed systems, databases and machine learning.

MEng Design Engineering - Imperial College London

2016 - 2020

- **1st class honours.** Awarded places on the **Dean's List** (top 5 in cohort) for 2nd, 3rd and 4th year.
- A course combining innovation and design thinking with traditional engineering skills and entrepreneurship.

Other courses

- Strategic Management - Imperial College Business School 2019
 - Machine Learning - Stanford University (online course) 2019
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EXPERIENCE

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Software Engineer intern at Bladebug Ltd | startup

Jun - Sep 2020

Bladebug are developing an advanced robotic solution for repairing off-shore wind turbines:

- Programmed and tested an experimental computer vision system and pitched it to investors.
- Gained experience with agile methodologies, collaborative development and startup business strategy.

Design Engineer intern at Magic of Things Ltd | startup

Apr - Sep 2019

Magic of Things use IoT tech to create magical experiences for fantasy themed cocktail bars around the world.

- Significantly improved the user experience by discussing pain points with customers and venue staff and conducting A/B testing. I used these insights to design several new products.
 - Managing seven new Design Engineer interns.
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PROJECTS

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Voxel Ltd [link](#)

2020

Co-founder of Voxel, an open source modular smart home product startup. I worked on web development, website analytics, user research and validation, product development and hardware and software prototyping.

Medical Percussion Research [link](#)

2020

Co-author of two award winning research papers examining the automation of medical percussion. I developed an accurate neural network to identify tissue anomalies from scalograms that were automatically generated from the audio samples collected from a robotic device.

AWARDS

- **Dean's list for academic excellence** - 2018, 2019, 2020.
- **IROS RoPat 2020 workshop** - Awarded best poster and best presentation for my research work on medical percussion.
- **DESIRE award** - Prestigious Design Engineering departmental award for my work on IoT sympathetic work environments, as featured in the Evening Standard, 2019.
- **Arkwright Scholarship** - Awarded to potential future leaders in industry, 2016.

TECHNICAL SKILLS

Preferred Languages

- Python
- C++

Additional Languages

- PHP
- JS
- SQL
- HTML, CSS
- MATLAB

Other Technologies

- Linux, AWS, Git

Design

- Photoshop
- Illustrator
- XD
- Premiere Pro