

PATRICK GONDA

A **Design Engineer** with a passion for creation and knowledge about production, capable of leading and being parts of multidisciplinary teams; whilst maintaining a consistent independent workload.

Portfolio: [hazel-inc.uk](https://www.hazel-inc.uk)
LinkedIn: [/hazelinc](https://www.linkedin.com/company/hazelinc)
07471 507348
h@hazel-inc.uk
Patrick.gonda18@imperial.ac.uk

EDUCATION

MEng Design Engineering, Imperial College London, Graduation July 2022

Module content:

Design - Human centered, Sustainability focused, Future focused, For assembly

Mechanics - Solid, Dynamics, Fluid dynamics, Finite element analysis, Robotics

Production and Materials - Design standards, component libraries, process guidelines

Computing - Python, Arduino, Data Science, Machine Learning

Electronics - Mechatronics, Signals, Systems, Control

A-levels – A*A*AA, Product Design – Maths – Computing – Physics, Langley Park School for Boys, 2017

WORK HISTORY

Product Design Management Lead – TEPAN – Startup in the cooking IOT industry – Tegan.co

March 2020 – now

- Collaborating on large Solidworks assemblies
- Embodying existing designs through CAD and prototyping
- Producing technical drawings for 3rd party manufacturers

Freelance web design – Hazel-Inc – Self Employment

March 2017 – March 2018

- Working with standards and libraries to ensure safety
- Communicating remotely and in person with clients

Callout IT & Engineering assistant – KRAM – Independent grocer in Kent – kram.uk.com

July 2017 – February 2020

- Working with industrial refrigeration and security systems
- Diagnosis and repair of any faulty systems
- Ensuring PCI-DSS & Workplace Safety standards continuously

ACADEMIC PROJECTS & ACHIEVEMENTS

Product Development – PC Case - 2020

- Use of DFM and production optimization
- Use of PCIE and ATX standard references
- Working with subcontractors

Winner of the Dyson Makeathon award - 2020

Contribution to Rep-Rap Project – Trialing Encoders to Reduce FDM 3D Printer Faults - 2018

- Working with a national scale team
- Giving user-focused feedback to engineering teams
- Using a top-down and dogfooding analysis methods

Achieved a distinction in the Brilliant Club project - 2016

Completed the Duke of Edinburgh award to the silver level - 2016

Portfolio Available – HAZEL-INC.UK

SKILLS

Proficient in Adobe Suite:

Photoshop – Illustrator – InDesign – Premier Pro

Proficient in 3D CAD:

Solidworks – Fusion 360 – Blender – Simplify 3D

Experienced in using

Woodwork – Metalwork – Sheet materials

workshop tools:

REFERENCES

REFERENCES ARE AVAILABLE ON REQUEST