

ANTOINE GRAHAM

Design Engineering | Competitor Analysis | Compliance

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PROFILE

A creative and dedicated individual with a passion for delivering timely solutions to global challenges. Driven by a desire to expand my expertise in a diverse and collaborative environment, I have a keen interest in new product development, manufacturing innovation, and engineering compliance.

EDUCATION

MSc Product Design Engineering

University of Glasgow + Glasgow School of Art

📅 Sep 2024 – Present 📍 Glasgow, Scotland

Manufacturing, Microelectronics, Composites, SPC, Human Factors, Integrated Engineering, Biomimicry, Software Engineering

BSc Product Design and Technology

Loughborough University (First Class Hons.)

📅 Oct 2020 – Jul 2024 📍 Loughborough, England

Electronics, Mechanics, Materials, Manufacturing, Programming, Prototyping, CAD/CAM, UCD, Design Research, Dissertation

International Baccalaureate

International School Basel (41 points)

📅 Aug 2005 – Aug 2020 📍 Basel, Switzerland

HL Physics, Design, English, Extended Essay (6,6,6,A)
SL Maths, Politics, French, Philosophy (7,7,7,C)

SKILLS

Languages

English (C2) French (C1)

German (A2)

Software

PTC Creo SolidWorks Keyshot

C/C++ BASH Script Arduino Cura

EasyEDA Figma InDesign Affinity

Ansys Granta Adv. Excel Sketchbook

Competencies

Design innovation Rapid prototyping

CAD/CAM Surfacing Patent analysis

Reverse engineering IEC standards

Embedded systems Market research

DFA/DFM FMEA 3D printing CNC

EXPERIENCE

Product Design Engineering Intern

Bosch Lawn and Garden Ltd.

📅 Aug 2022 – Aug 2023 📍 Stowmarket, England

Researched, prototyped, and tested new power-tools for international retail. I implemented new cost-modelling and reverse engineering practices that improved inter-departmental trend forecasting and benchmarking techniques. I oversaw the clause-by-clause analysis of IEC standards and regularly contributed to project sprints and patent reviews with senior managers. Leveraged industrial CAD and FDM facilities to manufacture sub-assembly prototypes in-house. Used data-loggers and high-speed cameras to validate novel concepts.

Co-founder and Head of Technology

Sileo UK (Enactus)

📅 Oct 2020 – Jun 2022 📍 Loughborough, England

Managed technical operations of Sileo UK, a non-profit providing digital literacy upskilling in homeless shelters.

Purchasing and Finance Intern

International School Basel

📅 Jul 2021 – Sep 2021 📍 Basel, Switzerland

Streamlined archaic systems and automated data processing tools. Managed international purchase orders using Sage200 to the value of 32,000 GBP.

Course representative

Loughborough Design School

📅 Oct 2020 – Jun 2021 📍 Loughborough, England

Liaising between first-year students and academic staff on all course-related queries, concerns, and disputes.