

Personal details

Name

Michael Burton

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London, United Kingdom

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+44 1214960508

Email

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Core competencies

Engineering Design Expert

Project management Experienced

Critical thinking Expert

Quality assurance

Education

Master of Engineering in Engineering Design and Management
University of London, UK, 2021

Bachelor of Engineering
University of London, UK, 2016

Technical Proficiencies

SolidWorks, Fusion 360, Autodesk Inventor, AutoCAD, MATLAB, Abaqus, Google Workspace, and Microsoft Office Suite.

Michael Burton

Qualified Engineer with a Master's in Engineering Design and Management. A creative problem solver with a strong ability to collaborate with teams and stakeholders to gather requirements and define key tasks. Quick to adapt and learn, skilled in building positive working relationships, and recognised for effective teamwork while consistently delivering high-quality results on time.

Work Experience

Engineer

2020 - Present

RK Engineering, UK

Apply design thinking and strong problem-solving skills to support professionals throughout each stage, from research to design and development, through to installation and final commissioning. Prepare design drawings, documents, material specifications, and product reports for both team and clients. Evaluate final performance, reliability, and safety while proactively addressing, modifying, and updating designs.

- Designed Printed Circuit Board (PCB) for semiconductor products with ranges up to 40 GHz in collaboration with electrical engineers.
- Created a stable burn in PCB that could handle a part at 200 degrees Celsius.
- Produced Bill of Materials (BOMs) fixtures and detailed assembly drawings for manufacturing.

Production Operator

2018 - 2020

Ideal Ltd., UK

Operated complex machinery to assist with assembling, manufacturing, processing, and packaging of high-quality timbers for structural and non-structural purposes. Coordinated production activities and carried out routine quality control checks to measure product quality parameters such as modulus of rupture, modulus of elasticity, and moisture content by utilising both NDT and DT (non-destructive and destructive tests).

- Led preventative maintenance checks on process lines, reducing downtime.
- Co-implemented new process design and modified standard operating procedures.

Internships

Graduate Engineer

2016 - 2018

ENG Design Partnership Ltd, UK

- Instrumental in assisting Senior Engineers to design and model one section of the hot and cold-water reticulation for a large-scale multidisciplinary project.
- Received positive recognition for well-designed drawings on AutoCAD and was selected to present to a client.