

# THOMAS BRINE

## Personal Profile

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I am an enthusiastic individual with great attention to detail and excellent interpersonal skills. I am a highly capable communicator, able to interface effectively at any level of an organisation.

My career has spanned from Technician level through to Operational Management and most recently, direct Project Management. Currently working within sustainability in the Science and Engineering Dept. at Manchester Metropolitan University, I coordinate and execute projects to deliver insights to local businesses into emerging, clean technologies.

I possess an extensive technical and commercial skill set; people, process, and project management, as well as digital design & manufacturing (CAD and 3D Printing) and a range of front-end computing languages; HTML, CSS and JavaScript.

## Career to date

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**Manchester Metropolitan University**

**July 2021 - Current**

### *Research Analyst - Eco-I Sustainability Programme*

- Supporting organisations in adopting future-ready business practices and reducing the carbon footprint of their operations, products, or services.
- Co-ordinating and executing projects, creating academic links between research groups and businesses on the Eco-I programme.
- Establishing a deliverable project within agreed timelines and performing supporting literary or laboratory research activities.
- Generating 'Technical Assist' documentation and delivering insights using supporting research on emerging, clean technologies.
- Presenting final project reports to organisations as means of Technical Assist delivery.
- Computer Aided Design (CAD) and Additive Manufacturing (3D Printing) to support electrochemistry research into conductive plastics, with a circular economy approach.

**Arden Dies Ltd**

**February 2021 - July 2021**

### *Intern, Research and Development*

- Research and development of potential Additive Manufacturing (3D Printing) application adopting existing CAD designs.
- Leading a comprehensive study, to assess the feasibility of available additive manufacturing technologies such as FDM or SLA 3D printers, to produce precision tooling for the delivery of embossing solutions at Arden Engraving.

**Hologic Ltd**

**April 2014 - August 2020**

### *Operations Manager*

- Operational management of molecular diagnostics manufacturing facility at Hologic Manchester
- Management of quality events/actions such as CAPA/COR and NCE (non-conformances)
- External Audit interfacing, internal audit implementation
- Responsible for three functions with 12 direct reports and total headcount of c.a. 20
- Lab compliance and new lab design
- Project management - new process and equipment implementation

### ***Supervisor -Template Positive (TPZ) Lab and Packaging Facility***

- People, process, and documentation compliance management
- Batch review and raising of quality events/actions such as CAPA/COR, NCE and NCR
- LEAN/5S improvement
- 10 direct reports - performance management, appraisals, and disciplinary actions
- Recruitment

### ***Laboratory Supervisor - Template Free (TFZ) and Template Positive (TPZ) Labs***

- As above - covering TFZ Bulk and Filling lab production in addition

### ***Laboratory Technician III***

- Manufacture of molecular diagnostic products (In Vitro Diagnostics) including viral assays (HPV, HBV, HCV, and in-development HIV) - reagent manufacture for a variety of DNA and RNA analysis applications.
- Bulk solution preparation in a clean room environment, using precision instrumentation and following company SOPs.
- Working to GLP/GMP, ISO13485, ISO9001, MHRA and FDA quality regulations.
- Clear and accurate completion of all relevant in-process documentation and manufacturing records - DHRs and Oracle system.

**Vantage Resource Solutions (VRS)**  
***Scientific Recruitment Consultant***

**February 2013 - April 2014**

**PULSE Life Sciences**  
***Scientific Recruitment Consultant***

**October 2011 - February 2013**

**CENTRE FOR RADIOCHEMISTRY RESEARCH**  
***Lab/Research Assistant***

**June 2011 - October 2011**

**CANCER RESEARCH UK**  
***Fundraiser***

**June 2010 - September 2010**

### **Qualifications, Proficiency and Achievements**

#### **Masters**

MSc Industrial Digitalisation - Distinction  
(2022) Manchester Metropolitan University

#### **EdX**

Skills for Life Bootcamp  
Front-End Web Development  
**HTML-CSS-JS-Node.js-React.js**

#### **Degree**

Bsc (Hons) Chemistry  
(2011) University of Manchester

#### **'A' Level**

Chemistry B  
Biology B  
Mathematics C  
Economics C

**NVQ'** Young Enterprise Award - Merit

#### **GCSE'S**

10 GCSE's including:  
Mathematics A\*  
Double Science A\*  
English Language & Literature BB  
French & German A\* A

## **Additional Experience and Interests**

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### **The Manufacturing Institute *Leadership Development Programme***

**May 2017**

A course for developing leaders, with focus on improving team productivity and performance. The latest thinking in management and leadership techniques, developing knowledge, confidence and capability.

### **IOSH Health and Safety Certification *Managing Safely***

**June 2019**

A course for individuals in positions of responsibility - overview of how to identify, evaluate and control workplace risks.

## **INTERESTS**

As a self-proclaimed 'maker' I enjoy all forms of creation - working digitally or with my hands to create for enjoyment or to solve practical problems. I am a computer enthusiast; building and fixing PCs for myself and friends/family, and work to develop my computer coding skills in my free time.

I am health focused, exercising on a regular basis and take a keen interest in plant-based nutrition - which complements a love for food and cooking. I enjoy documentaries and film - Sci-Fi and World Science, Technology and Social development.

Care for animals plays an important part of my home life, where I currently care for three cats and a rabbit, all of which are rescued or rehomed. Until very recently, I also regularly adopted hens from a local charity 'Lucky Hens' who work hard to rescue caged battery hens from slaughter, to give these poorly treated animals a second chance at life. As such, animal welfare is something I am passionate about.

Both professionally and personally, I am driven by a constant desire for improvement. This has led to a strong interest from a young age in technology, environment, and human practices. As such, sustainability plays a key role in my life, reflected in the choices that I make as an individual and in the drive to play a key role in the improvement of our future.