

# James Higson

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Portfolio: [www.jameshigson.co.uk](http://www.jameshigson.co.uk)

## Personal statement

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I'm passionate about solving problems for people through user centred design. Over the years I've developed a tenacity for doing the right thing, not what's easiest and delivered numerous products to market. I have over seven years experience in world leading technology companies, top FTSE companies and SME start-ups. This has involved taking ideas from concepts into production and I've developed strong skills along the way. Please contact me about any opportunities.

## Employment

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### Project Engineer

ARRIVAL \*

Arrival plc

- June 2020 – Present
- Running the US bus project from inception and investigating opportunities in that market.
  - Owning several aspects of the UK and US Bus products ranging from, emergency exits and wheelchair ramps to suspension and steering.
  - Finding, understanding and creating stakeholder requirements that cover national regulations such as FMVSS to customer and end user requirements.
  - Developing designs that meet and exceed the requirements and managing supplier relations to deliver parts on time and to specification.
  - Working across engineering, technology, procurement and other business teams to deliver the best solutions possible.

### Senior Design Engineer

Perceptual Robotics

Perceptual Robotics Ltd

- March 2020 – June 2020
- Developing the next version of autonomous drone for aerial inspections, Dhalion.
  - This role involved working as part of the Perceptual Robotics engineering team, designing, refining, implementing and testing all aspects of the product.
  - Distinctly focusing on system development, iterative design and the manufacturing of a complex electromechanical system, setting up and managing supplier relations.

### Mechatronics Engineer

dyson

Dyson Automotive Research and Development Ltd

- July 2019 – Jan 2020
- Working within the automotive interiors team I led prototype design and development for the HMI Evaluation team. With a strong focus on the driver's cockpit, looking at the steering wheel, infotainment and HVAC human interactions.
  - Managed the development and learning a Dyson Institute Undergraduate.
  - Regular presentations to key stakeholders including Execs and Directors.

### Design Engineer

dyson

Dyson Technology Ltd

- Sept 2016 – June 2019
- Worked in the Floorcare category in the Cyclones team, promoted from Graduate to Design Engineer in 9 months.
  - Managed a team delivering assemblies globally for product demonstrations.
  - Developed understanding of Robust Design, Testing, Manufacturing, Tooling and Design for Assembly. Owned D FMEA's, product requirement documents and risk management.
  - Accepted by Dyson's leadership development program (Pioneers), by promoting initiatives to improve our systems and ways of working.
  - Contributed to the development of Dyson Cyclone V10, V11 and Cinetic Big Ball.
  - Delivered international PR talks launching V10 in Paris and Stockholm. Then solely launched multiple products in Moscow, including V11 and 3 new purifiers.

**Design Intern** - Specialist Hygiene Solutions Ltd

July 2015 – Sept 2015



**Design Intern** - Reckitt Benckiser plc (Airwick & Scholl)

July 2014 – Sept 2014



**Design Intern** - Line Survey Transmission Consultancy Ltd

July 2013 – Sept 2013



**Workshop Assistant** - ZCars Evolutions Ltd

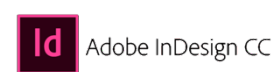
July 2012 – Sept 2012



## Key competencies

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### Software skills:



### Other skills:

Design for manufacturing

Robust Design and Testing

Lean Engineering

Six Sigma

Problem solving

Leadership

Project management

Presentation

## Academic achievements

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### MDes Product Design

University of Leeds – Mechanical Engineering

2012 – 2016

Classification: 2.1 Honours

Core modules:

User-Centred Design

Mechanical Systems

Statics

Manufacturing Systems and Processes

Materials Technology

Advanced Electronics

Economics and Management

Design of Complex Human-Technical Systems

### University Officers Training Corps

British Army - Leeds UOTC

2012 – 2015

MOD 3 Completed – Platoon commander and Leadership training



### Chartered Management Institute (CMI)

Level 5 Chartered Management Qualification



### St Peter's School York

2002 – 2012

A-levels:

Fine Art

A

Physics

B

Maths

C

## References

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#### Ben Jardine

Arrival Bus - Chief of Product  
Ben@arrival.com  
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#### Panos Konstantopoulos

Dyson Automotive - HMI Lead  
Panos@Panos.blog  
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#### Charlie Park

Dyson Floorcare – Head of Category  
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