

CURRICULUM VITAE

PERSONAL DETAILS

Name: David James Hearl

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PERSONAL STATEMENT

I am an ambitious, technical minded quality driven person. I can identify opportunities to improve systems and processes and I am able to communicate this effectively to influence and persuade people to come on board.

Using Autodesk Inventors API, I create programs to automate the design, drawing and manufacturing of products which have the ability and versatility to be rolled out across locations around the world. My previous projects have inspired me to continue my development in industry. I am looking to get involved with interesting projects which expand my knowledge and develop my skills whilst adding commercial value to the organisation.

I have good knowledge of Automotive sealing applications. I have enjoyed leading and participating in group projects, along with creating and delivering presentations to all levels of management including board members and senior staff. I recently designed and implemented training instructions and delivered one to one mentoring to experienced engineers and apprentices.

EMPLOYMENT HISTORY

MJM Marine / Mivan

Manufactures of bespoke high-end furniture for both land and sea based applications. Using traditional and innovative wood and ironmongery techniques.

Designer – (November 2021 to Present Day)

- Delivered training on Autodesk Inventor and iLogic
- Worked with the operations director to create development roadmap for the current design systems to aid progression towards Autodesk Inventor.
- Created standard design processes and procedures for our workflow within CAD/CAM.
- Automated the creation of cutting lists removing the manual process.
- Created a custom Add-in for Autodesk inventor, including the creation of tools to aid in the design and manufacturing process

Freudenberg Technical Products LP

Manufacturers of high-volume rubber moulded products including shaft & shock absorber seals for global automotive industry. Using compression & injection moulding processes with automated machinery.

CAD Engineer - (September 2019 to present day)

- Leading a project using Inventors Application Programming Interface (API) to automate the design and manufacturing processes with proven commercial benefits.
- Created automated and semi-automated drawing templates to reduce lead time, minimise errors and avoid repetitive processes.
- Leading a project to replace the CAM system to interact with the CAD system reducing the number of programs used and standardising workflow.
- Developed and delivered standardised CAD training on Autodesk Inventor and AutoCAD.
- Developed and delivered training on the automated inventor program.
- Presenting the automation project to senior management and board directors to gain buy in.
- Designing custom testing equipment.
- Procurement of various tooling, jigs and fixtures.
- Co-ordinating prototype samples through each stage from design into production.
- Designed and tested a new standardised portfolio of products.

CAD Engineer (Apprentice) – (January 2017 to September 2019) – Mechanical Bias

- 3D printing of prototypes, visual aids & jigs.
- Pioneered the use of a 3D printer to substitute the need for machined parts.
- Lead a project to reduce costs of 3D printed parts resulting in a 60% reduction of cost.
- Constructing 2D & 3D CAD drawings with BOM for manufacture
- Creating product, factory layouts & planning drawings.
- Drawing modification & revision control.
- Designed custom tool sets for new machines.
- Created parametric models and drawings using iLogic.
- Proficient in Microsoft applications such as Excel, Word, Outlook.

Engineering Apprentice – (September 2015 to January 2017) - Electrical Bias

- Performed routine maintenance on various machines.
- Cleaned manufacturing fixtures by shot blasting and polishing.
- Wired Vision PLC systems and aided with the installation.
- Regularly changed over machine tooling for different parts.
- Conducted routine SPC checks.
- Participated in a project to standardise tooling and create a storage system.
- Participated in a green belt project to reduce waste when machining PTFE washers.

QUALIFICATIONS & TRAINING

Certificates & Training:

- Certificate of Apprenticeship in Engineering Manufacture - (May 2019)
- NVQ in Engineering Drawing - (May 2019)
- Diploma in Engineering - (May 2019)
- Green belt Six Sigma qualification – (July 2018)
- Autodesk Inventor iLogic Certificate – (August 2018)
- AutoCAD Essentials Training - (May 2018)
- Autodesk Inventor Essentials (Parametric Modelling) Certificate – (February 2018)
- 3D Printing & Maintenance training – (February 2017)

- Risk Kaizen health and safety certificate – (2015)

Tyne Metropolitan College (2015 – 2019)

- HNC Mechanical Engineering - (July 2019)
- BTEC in Electrical Engineering with Double Grade Distinction Distinction - (July 2017)
- Functional Skills in ICT Level 2 - (February 2016)
- Performing Engineering Operations (PEO) - (January 2016)

Kings School (2002 – 2015)

4 GCSE's Grade B (Maths, Science, Design Technology)

3 GCSE's Grade C (Business Studies, Geography, English)

HOBBIES & INTERESTS

Physical exercise and fitness are important to me and I enjoy a variety of sports/activities, especially rugby, driving and travelling. In my spare time, I enjoy building computers, maintaining servers, creating floor plans and designing components in 2D and 3D environments for various projects which can either be 3D printed or handmade.

REFEREES

Available on Request.