**MATTHEW GAIR**

**Electrical Mechanical Engineering Technician**

West Sussex | 07903 057 095 | [gair.matty@gmail.com](mailto:stephbecker7@aol.com)

**INTRODUCTORY PROFILE**

Enthusiastic, driven, and proactive person with a keen interest in furthering my career within the engineering sector. Professional and academic achievements in engineering are underpinned by technical, analytical, and problem solving skills. Particular expertise in electrical engineering with a strong base in mechanical engineering. Positive attitude and ability to communicate effectively with colleagues at all levels.

**CORE COMPETENCIES**

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| --- | --- | --- |
| * Interpersonal communication * Analytical thinking * Planning and organisation | * High-level mathematics * Computer literacy * Self-motivation | * Team collaboration * Attention to detail * Problem solving |

**IT Skills:** MS Office Suite (including Excel and Word) | Electrical CAD | PLC programming

**PROFESSIONAL QUALIFICATIONS**

**Thames Water and Kingston College** *London*

**Thames Water Apprenticeship 2016-2019**

* Pearson Level 4 BTEC Higher National Certificate in General Engineering **(Pass)**
* Pearson Level 3 BTEC Diploma in Operations and Maintenance Engineering **(Distinction\* Distinction)**
* Pearson Level 2 Edexcel Function Skills in Information and Communication Technology
* EAL Level 3 NVQ Extended Diploma in Engineering Maintenance (Mechanical)
* EAL Level 3 NVQ Extended Diploma in Engineering Maintenance (Electrical)
* EAL Level 2 NVQ Diploma in Performing Engineering Operations (Engineering Practices)

**PROFESSIONAL EXPERIENCE AND ACHIEVEMENTS**

**Thames Water**  *London*

**Electrical Mechanical Engineering Technician (Ring Main) 2019-present**

* Mentored apprentices at various levels, providing education and experience
* Gained vast experience with health and safety policies
* Took on independent projects, including panel designs with schematics and build and tunnel drainage project (Twickenham)
* Implemented mechanical and electrical knowledge from my apprenticeship, further building on my technical skills
* Fault finding on various equipment, including electrical panels, motors, starters, and control systems and worked closely and effectively with high-voltage SAPs and contractors on complex tasks
* Installation of new domestic electrical circuits and enclosures, including light, socket, transformer, and emergency lighting circuits using MCBs, RCDs, and various protection devices

**Thames Water**  *London*

**Mechanical and Electrical Apprenticeship 2016-2019**

* Experience on the Ring Main and at Beddington Waste Water Treatment works to build a diverse range of skills and experience
* Built extensive mechanical knowledge and ability through working on diverse jobs, including pump and motor strip down and component repair and replacement, pump and mechanical equipment installations, mechanical fault finding on various different equipment, pre-planned maintenance and condition-based monitoring tasks, and using and interpreting engineering data and documentation
* Substantial bias and experience in electrical engineering maintenance, developed through building skills in fault diagnostics on electrical equipment and circuits, drawing, reading, and modifying electrical schematics, maintaining electrical equipment, modifying and rewiring electrical circuits, testing electrical equipment and circuits, and carrying out preventative and planned maintenance
* Completed multiple engineering projects, including designing a valve turner for various sized valve wheels and a panel to train electrical upskillers and apprentices in fault finding

**MW Crane Hire**  *Middlesbrough*

**Apprentice Maintenance Engineer 2015-2016**

* Background in electrical and mechanical engineering
* Fault finding and repair on mobile tower cranes
* Replacements and repair of mechanical equipment, including hook limits, cable reels, and small motors

**EDUCATION**

**MW Crane Hire and Middlesbrough College** *Middlesbrough*

**MW Crane Hire Apprenticeship 2015-2016**

* ICT Edexcel Functional Skills Level 1
* City and Guilds Level 2 Working in Engineering **(Merit)**

**Teesside University** *Middlesbrough*

**Mechanical Engineering Degree (Foundation Year) 2014-2015**

* Basis in mathematics, chemistry, electrical engineering, and mechanical engineering

**Nunthorpe Sixth Form** *Middlesbrough*

**A-Level Applied Science, Philosophy and Ethics, Government and Politics (CCD) / AS-Level Business Studies 2012-2014**

**Level 1 Award in Sport Leadership**

**Nunthorpe Academy**  *Middlesbrough*

**7 GCSEs (B-C), including Maths, English, and Science 2007-2012**

**3 BTECS (Pass-Merit)**

**ASDAN Level 3 Key Skills in Improving Own Learning (Pass)**

**ASDAN Level 3 Certificate of Personal Effectiveness (Pass)**

**PERSONAL ACHIEVEMENTS**

* Awarded Apprentices’ Apprentice of the Year (as voted for by peers) and Runner Up Apprentice of the Year (as voted for by tutors) during Thames Water Apprenticeship
* Volunteered to promote Thames Water Apprenticeships in colleges
* Completed my apprenticeship a year early
* Organised and ran a sponsored water carry for WaterAid, raising around £2000 in total
* Took part in World Challenge, helping to build an orphanage in Malaysia
* Gained my Advanced Open Water diving qualification