

GARY PERKINS

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Profile

I am a hardworking and enthusiastic person. I enjoy working as a team as well as on my own initiative. I enjoy a challenge and learning new things. I am comfortable taking direction and will push myself to get the job done. I am looking for the opportunity to apply and expand my skills.

Education

Maths • English • Science • Technology • Art • P.E. • Geography	Lealands High School
NVQ level 2 Engineering Material Processing	
Coding and Programming in Pascal 1 and Visual Basic 1	Barnfield College
Visual Basic Level 2	Barnfield College
Mastering Microsoft Visual Basic 6 Development (1013)	Barnfield College
Betec National Certificate Electrical / Electronic Engineering	Barnfield College
HNC Electrical / Electronic Engineering	Barnfield College
LAB View CLD	National Instruments

Transferable Skills

Good Communicator	Enthusiastic
Coordinating people	Team member
Follow procedures	Working to time scales
Keen to learn	Learn Fast
Computer literate	Microsoft Office • Visual basic / VBA • Genesys
CST Microwave Studio • Microwave Office	LABView / Test Stand

Employment History

August 2021 – Present Day LTH Electronics

LTH Electronics are specialists in conductivity, turbidity, pH/Redox and Dissolved Oxygen devices as well as other water purification measurement devices. Within the company I work as part of a small test team. As part of this team I test PCB's before they are built up into the final product as well as testing the complete product. I test, calibrate and certify the devices ready to ship to the customer. I also test, recalibrate and certify units that are returned by the customer. Repairing any product that has an issue to component level before recertifying and returning to the customer. Keeping serial logs up to date using Microsoft office.

November 2014 – October 2021, Collins Aerospace

I started Collins Aerospace working as a contractor within the test department. I was part of the team responsible for testing circuit boards prior to the build of the final product. Once the unit had been built I also had to program and test the built product. During this time I was also asked to create a program that would capture the touch time for the build and test of each stage and save the information to a database. This program was then modified to show turn backs as well as output graphs for first time pass and failures. After two years I was given the opportunity to work within the test equipment department. In this role I was responsible for maintaining the test rigs within the company. If for any reason the rig developed a fault whether it was hardware or software I would need to diagnose the issue and rectify the problem. It was while I was working in the test equipment role that I learnt to program using LABView and test stand and passed my CLD. I have also visited the offices in Singapore and Bangalore to transfer test rigs and train the test departments at these locations.

July 2009 – August 2014, Airbus Defence & Space (Stevenage & Portsmouth):

I worked as a test engineer within the mechanisms team, working within a clean room environment with strict cleanliness procedures in place. I am responsible for testing ADTM's, SADM's and Cryogenic Coolers. Testing the individual mechanisms before and after they have been built into their assembly and making sure they meet the tight specifications set by the customer. Pressurising the coolers with helium and detecting any leaks that may be present. Keeping data logs and test results up to date throughout the test program.

Before transferring to Stevenage I worked in Portsmouth testing and burning in hybrids to customer specifications in a clean room environment. Collating results and uploading to the customer's external server. Relaying progress and concerns directly to the customer.

Stevenage Duties.

- Testing Mechanisms
 - Cryogenic Coolers
 - ADTM's
 - SADM's
 - High Power SADM's
- ADTM's & SADM's
 - Vibration Testing & Thermal Vacuum Testing
 - Life Tests
- Cryogenic Coolers
 - Perform Proof Pressure Test & Leak Test
 - Vibration Testing & Thermal Vacuum Testing
 - Life Tests
- Miscellaneous
 - Entering test results and presenting to the RE
 - Manufacturing Test cables and Harnesses

Portsmouth Duties.

- Testing Hybrids using software controlled benches
 - Amplifiers
 - Converters
 - Gain Adjusts
- Life Test Measurements
 - Carry out life tests using software controlled benches
 - Temperature cycle devices using a Julabo
- Burn In Hybrids
 - Setup ovens to burn in hybrids
 - Check all data is being recorded
- Train Production Test Staff
 - Use of test equipment
 - Understanding of measurements
 - Hybrid Fault finding

2000 – June 2009, Axell Wireless LTD:

Originally employed as an RF tuner within the production team, I quickly progressed to a development engineer role in the passive R+D group. Within this role I had to familiarise myself with different types of test equipment including network analysers, spectrum analysers, signal generators and noise figure meters. I was tasked with designing a number of passive devices to meet customer specifications.

My main duties were.

- Design Tune/Test passive devices
 - Filters & duplexers
 - Couplers
 - Crossband couplers
 - Hybrids
 - Splitters
 - PCB Design/Routing
- High power test passive devices
 - PIM measurements
 - Multi carrier testing
- Design passive devices using design Packages
 - Genesys
 - CST
 - Microwave Office
- Production Support
 - Create process instructions
 - Design production tooling
 - Rectify faults that occurred
- Project manage to specific time scales
 - Talk to suppliers
 - Purchase parts to meet deadlines
 - Coordinate other disciplines within the company to reach the same

1997 – 2000 Com Dev Wireless:

Originally I was employed as an assembler, assembling diplexers and filters for mobile phone companies. After I reached the top grade in assembly I learnt how to RF tune / Test filters and diplexers. I took it upon myself to learn every product assembly and test in the company. Due to this I was promoted to the role of assembly trainer and cell leader.

Main Roles

- Tune/Test passive devices
 - Filters
 - Diplexers
- Cell Leader
 - Manage cells of up to 15 people
 - Build passive products
 - Test passive products
- Assembly Trainer
 - Train to build passive products
 - Assess employee capability

References

Dr Adam Camilletti	Airbus Defence & Space	07714 898921
Raymond Brooks	Airbus Defence & Space	01438 778534
Dr Barrie Sillars	Axell Wireless LTD	07812 417172
Gareth Dobbs	Axell Wireless LTD	07970 742001
Susan Pritchard	Collins Aerospace	07713663392