

# Drew Krause

## Manufacturing Engineer - AgustaWestland Philadelphia (AWPC)

Philadelphia, PA - Email me on Indeed: [indeed.com/r/Drew-Krause/41bbf6d147949bf9](https://www.indeed.com/r/Drew-Krause/41bbf6d147949bf9)

Authorized to work in the US for any employer

### WORK EXPERIENCE

#### Manufacturing Engineer

AgustaWestland Philadelphia (AWPC) - Philadelphia, PA - February 2014 to Present

- Improved AW119 electrical harnesses by customizing through a turnkey solution saving hundreds of hours of work at AWPC while improving Key Performance Indicators
- Manage thousands of avionics Technical Specifications for Delivery (TSD) to be used on AW139 and AW119 aircraft
- Improved Manufacturing processes using Lean Manufacturing principles
- Supervise sub-contractors to generate, maintain, and continuously improve manufacturing documents and subsequent vendor-manufactured parts
- Coordinates with Design Organization, Quality Assurance, and Supply Chain for quality issue resolution, supplier quality issues, and process improvements to resolve issues ranging from technical engineering documents or configurations
- Maintain Configuration Control of electrical harnesses to ensure customers receive desired configuration
- Implemented process for evaluating and implementing Engineering Orders' and points of introduction of design changes

#### Mechanical Engineer

D&P USA - July 2012 to February 2014

- sub-contracted to AgustaWestland Philadelphia
- Improved accuracy of AWPC work instructions and aircraft configuration by generating pin-to-pin database for wires on AW119 Koala Kx and customized aircraft
- Interacted directly with production technicians and engineers to relay non-value added work from production line to cable vendors
- Interpreted engineering documents to create and modify Technical Specifications for Delivery supplied to vendors for manufacturing
- Using technical engineering design documents, drafted and maintained electrical harness boards for cable assemblies built by vendors using CATIA v4 & v5

#### Senior Technical Support

Temple University Computer Services Help Desk - Philadelphia, PA - March 2008 to July 2012

- Assisted more than 1,000 clients annually with technical support for desktops, laptops, wireless devices, software, and hardware, ranging from Windows and Linux to MAC OS', Android, Apple, & Blackberries
- Trained, mentored, and supervised 8-9 student workers; conducted preliminary phone interviews to screen new workers
- Resolved issues in-person and via phone on issues including data recovery, network connectivity (wired & wireless), virus and spyware removal, software, etc.

#### Advanced Technologies Technician

Greene, Tweed & Co. - Kulpsville, PA - May 2011 to August 2011

- Performed ASTM-certified testing into Wear, Abrasion, and Impact properties of Ceracomp 1100, a proprietary ceramic matrix composite material developed by Greene, Tweed. Data and analysis enabled Greene, Tweed to sell proprietary rights to Ceracomp 1100 to another company
- Responsible for experimental test data and analysis. Data and analysis improved methods of custom molds and development of processes including mixing of slurry, testing, and material property consistency

## EDUCATION

### **B. S. in Mechanical Engineering**

Temple University - Philadelphia, PA

## SKILLS

Office Suite (10+ years), Catia (4 years), Solidworks (4 years), Customer Service (5 years), Problem Solving, Problem Solving (10+ years), Analytical Skills (10+ years), Motivated (10+ years)

## ADDITIONAL INFORMATION

### RELATED SKILLS

Mechanical Testing & Analysis \* Mig/Tig Welding \* MS Office \* AutoCAD \* Mill / Lathe Machining \* Computer Repair\*GD&T \* Pro/Engineer \* Solidworks \* CATIA v4/v5 \* Basic Electric Circuitry \* MATLAB/LabView Electron Microscopy