Jonathan Ruggaard

Chicago, IL
-Email me on Indeed: http://www.indeed.com/r/Jonathan-Ruggaard/023da5bc99b3a311

Authorized to work in the US for any employer

Work Experience

RF Electronics Engineer

Northrop Grumman Corporation - Rolling Meadows, IL
July 2019 to Present

• Developed test stations for microelectronic circuits by creating equipment layouts as well as DC Bias and Digital I/O wiring schematics
• Selected the appropriate RF test equipment to ensure all customer testing requirements are met
• Troubleshot production hardware to determine the root cause of failures
• Analyzed test failure data to maintain continuous improvements in the production process
• Created manufacturing test procedures for both manual test benches and automated test stations
• Trained production test technicians on proper use of test stations
• Guided technicians through troubleshooting failing circuits and providing any corrective action

RF Product Engineer

Electronics Research Inc. - Chandler, IN
June 2016 to June 2019

• Designed and simulated bandpass filters, low pass filters, channel combiners, and power dividers/combiners using HFSS (High Frequency Structure Simulator)
• Reviewed component drawings to insure product specifications are met
• Tested RF bandpass filters using a transmitter, signal generator and spectrum analyzer
• Created models of current products in HFSS to develop improvements in labor and material costs
• Tuned RF bandpass filters to customer specifications using a Copper Mountain network analyzer
• Created product manuals containing wiring schematics, proper installation instructions, and safety information for customers
• Traveled to customer sites for installation of filters and combiners
• Assisted Quality Control and Machine Shop with verifying required tolerances on components

Engineer Intern

CEC Controls Company Inc. - Warren, MI
May 2013 to August 2015

• Conducted I/O testing to insure wiring was correct for automotive plant PLC's
• Updated PanelView programs to match all alarms required on the assembly line
• Created I/O spreadsheets detailing required amount of ports for CAD Department

Education

Bachelor of Science in Electrical Engineering Technology
Purdue University-Main Campus - West Lafayette, IN
August 2012 to May 2016

Skills

- C
- Laboratory experience
- Microsoft Powerpoint
- Microsoft Office
- Organizational skills
- Microsoft Word
- MATLAB
- Microsoft Excel

Assessments

Analyzing data — Expert

April 2019

Measures a candidate's skill in interpreting and producing graphs, identifying trends, and drawing justifiable conclusions from data.
Full results: [Expert](#)

Project management skills: Budgeting — Highly Proficient

April 2019

Measures a candidate's ability to manage project budgets by appropriately allocating and monitoring financial resources.
Full results: [Highly Proficient](#)

Problem solving — Expert

April 2019

Analyzing relevant information when solving problems.
Full results: [Expert](#)