

# Daniel Yun

## Electrical Engineer - DRS Consolidated Controls, Inc

Mount Laurel, NJ - Email me on Indeed: [indeed.com/r/Daniel-Yun/c6d94fa7b02e460d](https://indeed.com/r/Daniel-Yun/c6d94fa7b02e460d)

Obtain a full time position as an Electrical / Controls Engineer.

### WORK EXPERIENCE

#### Electrical Engineer

DRS Consolidated Controls, Inc - Danbury, CT - November 2010 to Present

Involved in systems and controls used in various facilities such as military applications and power plants

- Responsible for Factory Acceptance Test (FAT) of the DRS-PCT supplied Programmable Logic Microprocessor 32 bit control system for GE/Taiwan Power Company Lungmen Nuclear Power Plant
- Verify that GE instrumentation and control design specifications have been implemented properly by the DRS-PCT PLμS 32 System. This effort includes complex circuit evaluation, integration, writing unit and integration test procedures.
- Performed C code evaluation to ensure proper migration and implementation.
- Created an automated step-by-step process for Labview to test different possible logic states on HMI touchscreens.
- Drafted technical documentation explaining test procedures and methods for client use.
- Advised team members on how to create and modify unit test wrappers in C in the UNIX environment to test new changes in the code using input and output XML sheets to verify the test cases.
- Updated assembly drawings and schematics based on the functional changes requested by Bechtel Plant Machinery, Inc. (BPMI) for Naval Nuclear applications.
- Regularly met with engineering team to plan test procedures for new projects.
- Performed VHDL test bench behavioral simulations on Xilinx for various behavior code and compared the waveforms on various test points on the FPGA.

### PROJECTS

[Intro to Engineering Design] Designed and prototyped a digital speedometer to read the speed that a vehicle is traveling and the distance it traveled. Code was developed in C and downloaded onto a microprocessor. Sensor strips were attached to the wheel, and the code's function counted each revolution of the wheel to determine the speed that the vehicle was traveling and the distance it traveled.

Sept '08 - Dec '08

### EDUCATION

#### Master of Science in Computer Science

Stevens Institute of Technology - Hoboken, NJ

December 2012

#### Bachelor of Science in Electrical Engineering

Rensselaer Polytechnic Institute - Troy, NY

December 2009

#### ADDITIONAL INFORMATION

- Xilinx / VHDL
- 2 years of experience with C, C++, PHP, Java
- Proficient in Word, Excel, Powerpoint
  
- Labview / Matlab / PLC
- OrCAD
- Active government DoD Secret Security Clearance