

Dennis Downing

Database Programming Intern

Derby, CT - Email me on Indeed: [indeed.com/r/Dennis-Downing/9212c7dba7ad0901](https://www.indeed.com/r/Dennis-Downing/9212c7dba7ad0901)

- CAD - SolidWorks 3D, SolidWorks Electrical, Solid Edge, KeyCreator, OrCAD, Multisim, Schema, Electronics Workbench, Logic Works, Cadence
- Programming Languages - HTML, Visual Basic, Java, Javascript, SQL, C, C++, Python, and AS/400 RPGLE & CL
- Other Software - Microsoft Access, Word, Excel, PowerPoint, and Outlook, LabVIEW, VMware Workstation, Windchill, Wireshark, Camtasia, Solumina, Profound Logic

WORK EXPERIENCE

Software Development Intern

DocuWare - Wallingford, CT - June 2016 to September 2016

- Training in Visual Studio, MVC5, C# and JavaScript languages.
- Working as part of a small SCRUM team using agile development.
- Developing application that integrates QuickBooks Online into online DocuWare cloud platform to view/save bills and invoice documents.

Database Programming Intern

RBC BEARINGS - Oxford, CT - March 2015 to July 2015

- Training in IBM AS/400 programming with the RPGLE and CL languages.
- Graphical application design in Profound Logic using RPGLE code.
- Writing/debugging database management programs in AS/400.

Electrical Process Engineer (contract)

SIKORSKY AIRCRAFT CORPORATION - Stratford, CT - February 2013 to June 2013

- Assembly operation sheet and work order revisions for Black Hawk and Naval Hawk helicopters.
- Documenting issues found on final assembly of helicopters, including wire chafing on harness assemblies, and those on lighting, instrument panels, power system components, etc.
- Redesign of engineering drawings in Team Center, Canvas 9, and CATIA.
- Providing engineering/manufacturing support to Electro-Mechanical Aircraft Installations at Final Assembly & Operations.
- Trained in the use of software such as Solumina, Hyperion, and Matrix One and EPATS.
- Photographing government inventory parts/equipment and wiring setups for engineering PowerPoint presentations.

Mechanical Engineer (temporary, contract)

THERMA TOOL - East Haven, CT - February 2012 to June 2012

- Redesign of mechanical parts and assemblies from high-frequency welding machines.
- Designing engineering drawings based off of 3D solid parts and assemblies in SolidEdge.
- Electrical interconnect spreadsheets in Excel.
- Researching information online about parts off an MRP database.

Project Engineer

DIVERSIFIED ELECTRIC SERVICES, INC - Seymour, CT - October 2010 to December 2011

- Reverse-engineering old and obsolete circuit breakers.
- CAD drawings of point-to-point wiring layouts and schematic design in Key Creator.
- Current transformer and potential transformer testing and documentation.
- Data-entry for wire marker printing of breakers and switchgear.
- Wiring of control boxes, panels, and soldering of wire harnesses and components on PCB boards for a remote racking system.
- Relay testing and transformer cleaning at different locations around CT and NY.
- Connection and hardware tests on circuit breakers and switchgear.

Electrical Engineering Intern

PITNEY BOWES - Danbury, CT - June 2010 to September 2010

- Sensor board testing with AVR Studio and JTAGICE MkII.
- Design and documentation of a pocket cycle tester for a mail sorter machine.
- Testing of new mail sorting machines.
- Computer hardware replacements and testing.

Engineering Technician (temporary, contract)

OMEGA ENGINEERING, INC - Stamford, CT - January 2010 to May 2010

- Writing and editing product manuals.
- Firmware support for pH/temperature measurement & control probes and wireless devices.
- Circuit & device troubleshooting assistance.
- Researching alternate components online.

EDUCATION

M.S. in Computer Science in Principles of Information Security

Southern Connecticut State University - New Haven, CT

December 2017

B.S. in Electrical Engineering in Digital Electronics

Rensselaer Polytechnic Institute (RPI) - Troy, NY

August 2009

A.S. in Computer Engineering Technology in CAD, and Electronics

Gateway Community College - New Haven, CT

May 2006

Diploma in Electronics Technology

Platt Technical High School - Milford, CT

SKILLS

APQP (1 year), generators (Less than 1 year), oscilloscopes (Less than 1 year), soldering (1 year), wiring (1 year)

ADDITIONAL INFORMATION

- Lab Skills - Multi-meters, function generators, oscilloscopes, soldering, electronic wiring
- Other Skills - Working with engineering drawings, spec sheets, BOMs, and MRP systems. Familiar with tolerancing and dimensioning.