

Marc Strong

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Engineering Experience:

Underwriters Laboratories, Northbrook, IL

April 2007 to current

Project Engineer – Life Safety & Security

- Established test programs to certify the clients products. Product types include speakers, horns, strobes, beacons, pull stations, smoke alarms, aspirating detectors, heat detectors, carbon monoxide detectors, refrigerant monitors and ozone monitors
- Developed, deployed and maintained test plans, test strategies and/or test procedures for testing activities
- Reviewed product construction and test results for compliance determination in relation to the product category standards requirements
- Written test reports and product description files
- Explained test methods and pass/fail criteria to give clients clarification of the requirements for product certification
- Collaborated with Stakeholders / Product Owners, Engineers, Reviewers, Lab technicians and other team members to ensure the timely execution of certification projects
- Guided the lab technician's progress for timely execution of certification projects
- Supported lab in product testing
- Reporting of test status and results
- Trained as a factory auditor to verify compliancy to ISO17025 requirements
- Completed projects a cumulative total of close to \$3,200,000 for the years 2009 to 2016
- Hardware Testing Tools: Oscilloscopes, Multi-meters, Heat-guns, ESD guns, Thermotron, Soldering Iron, Rheostats, Power Supplies, Variac, Connectors, Electrical Cables and Wires, Cat 5 - Cat 6 Ethernet Cables, Fiber Optic Cable, Modular Interface Devices

Manpower Professional – Motorola, Libertyville, IL

Electronics Engineer

Jun. 2006 to April 2007

- Flexed or flashed software into developmental mobile devices
- Soldered PCB components for placement and removal
- Measured and reported mobile device current drain for various radio conditions for battery longevity
- Tested power cut of mobile device to ensure memory requirements
- Performed ESD testing
- Verified and trouble shoot field return failures for root cause analysis
- Job tools: RSD Lite, Daqbook2000, LabVIEW, Rhode & Schwartz CMU200, Soldering Iron, Microscope, Heat-guns, ESD guns, Thermotron

Computer Skills:

Microsoft Word, Microsoft Excel, C++, Pspice, B2Spice, Motorola 68HC11 Microprocessor, Matlab 7.0, MathCAD, LASI 7, Winspice3, NI LabVIEW 2013, SQL, VBScript

Education:

LabVIEW 2013

Certification March 2014

National Instruments – Tecnova

Waukegan, IL

Digital & Network Fundamentals

December 2009

College of Lake County

Grayslake, IL

Bachelor of Science in Electrical Engineering

Northern Illinois University, DeKalb, IL

Graduation: May 2006

GPA: 3.80 / 4.00

Fundamental of Engineering Exam – Electrical Engineering
May 2006

Bachelor of Science in Chemistry with Biochemistry Major (ACS accredited)
Graduation: May 1997
Purdue University, West Lafayette, IN

Purdue Work Experience

Bio-Organic Research - Dr. Jean Chmielewski Group

Sept. 1995 to May 1997

- Produced Fmoc-HCys-Acm from methionine by organic synthesis
- Peptide design synthesis in the oxidation of a manually chemical synthesized peptide to form four helical bundles
- Purification and structure determination equipment used for research project: UV, NMR, CD, HPLC, TLC, rotovap, and flash column chromatography

Customer Service/Sales Experience:

January 2002 to May 2003

Automobile Sales Professional

- Investigated customer's needs in a vehicle purchase
- Influenced customer to buy features of explained advantages and important benefits with demonstration of vehicle
- Negotiated and finalized sale of automobile in which achieved over \$2,000,000 in sales for 2002
- Acquired additional sales by phone follow up from potential prospects
- Researched differences between Honda and comparable automobiles to provide information for potential prospects
- Earned Silver Level Award 2002 Council of Sales Leadership for exemplary customer satisfaction of greater than 90%, outstanding sales performance of greater than 125 units, and exceptional knowledge of Honda products

The Mobile Solution, Northbrook, IL

March 2001 to January 2002

Sales Manager

- Aggressively solicited deals and activated new technological wireless services
- Qualified potential customers for a wireless plan that will complement their cellular needs
- Achieved Chicago market top 5 salespeople for months of August, September, and October for 2001

The Wheatlands, Buffalo Grove, IL

Oct. 2000 to April 2001

Leasing Consultant – part-time

- Showed potential tenants vacant models of the community and handled paperwork for rental contracts

Macaroni Grill, Hoffman Estates, IL

Server – part-time

September 1998 - June 2001

- Addressed table guests and gave presentations of featured daily food specials
- Offered appetizer requests
- Upsold salads and bottles of wine
- Concluded guest dining experience with dessert presentations

Pizza Hut, Mundelein, IL

July 1993 to Oct. 2000

Manager/Delivery Driver – part time/full time

- Accounted for the money, inventory, and sales of the store
- Assisted and supervised employees with their duties to work as a team
- Handled customer calls and dispatched drivers to ensure a 90% on time delivery rate
- As a delivery driver, transported ordered pizzas to the customers location