

# DARNELL HEARD

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## SUMMARY

I have 26 years of practical work experience design experience. As Senior Electrical Designer, I have been responsible for designing electrical systems for various projects. Duties include upgrading fire alarm systems, creating drawings for electrical systems using such programs as AutoCAD, Revit, Acuity Visual Lighting. Available for remote work and Telecommuting.

## SOFTWARE FAMILIARITY

- AutoCAD R11 thru 20, AutoCAD Navisworks
- Microsoft Office 365
- Acuity Visual Lighting software, Plant 4D
- Microsoft: Excel, Word, Access, Project, Visio, Visual Basic
- MicroStation Version V8i
- AutoCAD Inventor, Showcase & Plant 3D
- AutoCAD Electrical
- Revit 2012 thru 2021
- SDS/2, RS Logix 500
- FlowCode, Cisco IOS Version 12.x
- SmartPlant 3D & SmartPlant Electrical
- Python V3.2, C Program Language, Unity 3D

## EXPERIENCE

### **Stantec, Tampa, Florida, 08/2019 – 04/2020**

#### *Electrical/Instrumentation Control Designer*

- Designed lighting and power electrical systems within Power Stations providing Plant Services.
- Creating procedures and standards for the Plant services Division of the Power and Dams Group
- Designing conduit and Cable Tray routing
- Fiber infrastructure planning layout and security updates.

### **DH Professional Staffing, LLC, Tampa, FL 01/17-04/18**

#### *President/CEO*

- Providing Staffing solutions to the construction industry.
- Helping Clients find employment and update their resumes

## **YEARS OF EXPERIENCE**

26

## **PROJECT EXPERIENCE**

- Kraft Climate Control Warehouse
- Nissan Car Facility
- Indian River Hotel & Resort Exp.
- Wrigley GI Center
- Marshall Field's Redesign
- Univ. Chgo Hospital
- KCP&L Iatan Power Plant
- NRG Indian River Unit 4 & 5 Build-Out
- P.E. Crystal River Power Station
- Milton R, Young AQCS Upgrade
- JPMC Data Center Auditing
- Nalco Water Treatment Plants
- Hitachi Automation
- DOD Special Proj. Auto. Sys.
- Anixter New Whse Bldg.
- Abbott Laboratories
- State of Illinois Data Center
- Residential Remodeling
- SOHO Networking System
- TECO Fiber UPG.
- FPL Plant UPG.

## **EXPERIENCE(CONT.)**

### **GLE & Associates, Tampa, FL 05/17-10/17**

#### *Electrical Designer*

- Designing and drafting Fire Alarm Systems
- Designing and drafting Communication
- Designing and drafting Security Systems
- Designing and drafting Electrical system upgrades for elementary, middle and high school buildings.

### **Jacobs Engineering, Mount Laurel, New Jersey, 03/2015 – 01/2017**

#### *Senior Electrical Designer*

- Designed lighting and power electrical systems within refineries
- Designed Emergency Lighting Systems
- Designed Heat Tracing Layouts
- Designed Cable Tray routing
- Low Power infrastructure planning, detailing panel layouts and locations within the overall project.

### **GE Digital Energy, Overland Park, Kansas, 09/2013 - 04/2014**

#### *Electrical Controls Designer*

- Electrical Controls design for electrical power substations
- Designing physical designs and upgrading substations

### **Kiewit Power Engineering, Lenexa, KS 07/11-12/12**

#### *Electrical Designer Level 3*

- Designed lighting and power electrical systems within power plants
- Designed Emergency Lighting Systems
- Designed Intercommunication, PA, and Telephone Systems layouts
- Designed Cable Tray routing and numbering system
- Low Power infrastructure planning, detailing panel layouts and locations within the overall project.

## **EXPERIENCE(CONT.)**

### **Burns and McDonnell Engineering, Kansas City, MO 06/08-09/10**

#### *Senior Electrical Designer*

- Designed lighting and power electrical systems within power plants
- Designed Emergency Lighting Systems and Lightning Protection Systems
- Designed Intercommunication, PA, and Telephone Systems layouts
- Designed Cable Tray routing and numbering system
- Low Power infrastructure planning
- Directed teams of designers, detailers and/or engineers on projects.
- Coordinated with vendors on product orders and deliver to site
- Provided QAQC on various Power Plant projects

### **Additional Technical Support, Inc., Norwood, MA 03/07-6/08**

#### *Electrical Designer (Contract Work)*

#### *Contracted to Burns & McDonnell*

- Designed lighting & power electrical systems within power plants
- Designed Emergency Lighting. Systems and Lightning Protection Systems
- Designed Intercommunication Systems layouts
- Designed Cable Tray routing and numbering system
- Low Power infrastructure planning, detailing panel layouts & locations within project

### **GES Expo, Inc., Chicago, IL. 03/06-03/07**

#### *Design Detailer*

- Evaluating designs created by graphic designers for constructability.
- Creating and designing construction drawings for trade show exhibits
- Determining the lighting and electrical layout for trade show exhibits

### **MidCo Fire Alarm & Security Systems, Inc., Burr Ridge, IL. 09/05-03/06**

#### *Drafter/Designer/Detailer*

- Evaluating designs created by graphic designers for constructability.
- Creating and designing construction drawings for trade show exhibits
- Determining the lighting and electrical layout for trade show exhibits

## **EXPERIENCE(CONT.)**

### **G&M Electrical Contractors, Inc., Chicago, IL 11/99-06/05**

#### *Design Engineering Manager*

- Developed new electronic CAD filing system that allowed faster retrieval of electronic files.
- Set-up filing system for storing paper drawings for designs, as-builts, and estimated drawings.
- Increased overall productivity of dept. by setting up priority listing
- Upgraded dept. equipment for better efficiency and reducing overhead
- Developed, maintained and enforced company and dept. standards
- Inventory and Management of department resources
- Negotiated supply cost and services for department supplies
- Set-up and custom programming AutoCAD system
- Designed and worked closely on projects to be approved by PE
- Performed value engineering on projects to reduce materials and labor cost
- Managed material take-off's, and wrote purchase orders for materials
- Data Center Power infrastructure design for various office buildings

### **Control Master, Inc., Downers Grove, IL 08/91-06/97**

#### *Electrical Journeyman/Designer/Fabricator*

- Assisted in the development of control panels for automation systems.
- Built panels from drawing specifications
- Electrically assemble panels from blueprints

### **Century 21, Dabbs, Chicago, IL 01/96-12/97**

#### *Realtor*

- Real Estate Sales
- Property Marketing

### **Betts Real Estate, Chicago, IL 01/98-11/99**

#### *Realtor*

- Real Estate Sales
- Property Marketing

### **Challenger Mortgage Co., Chicago, IL 01/98-4/98**

#### *Loan Officer*

- Residential Mortgages

## **EXPERIENCE(CONT.)**

### **Primerica Financial, Maywood, IL 01/05-12/07**

*Insurance & Financial Representative*

- Providing various Life Insurance Products
- Providing various Investment and Retirement Products

### **HydraCom Management, LLC., Chicago, IL 01/96-12/10**

*President/CEO*

- Real Estate Sales, Purchasing and Investing
- Residential Rehabbing & Remodeling
- Property Management & Leasing
- SOHO Network installations
- SOHO Commercial and office build-outs

## **EDUCATION**

### **Vatterott College, Kansas City, MO**

Associate Degree, Obtain Nov. 2012

Major: Computer Engineering Design and Drafting

### **DeVry University**

Bachelor of Science, (currently attending)

Major: Business Technical Mgmt /w Electrical & Electronics Engineering

### **University of Missouri-Kansas City, Kansas City, MO**

Bachelor of Science, (Transfer to DeVry University)

Major: Electrical and Computer Engineering

### **Triton College, River Grove, IL.**

Associate Degree, (Transfer to DeVry University)

Major: Computer Engineering Design and Drafting

### **TechSkills Career Training, Overland Park, KS.**

Certification: CompTIA Network+, Cisco CCENT

## **CERTIFICATIONS**

- OSHA 10-hour training
- IES Lighting design certificate
- TWIC card
- Cisco Certified Entry Network Technician (CCENT) exp.
- CompTIA Network+ Certification (Net+) exp.

## **PROFESSIONAL ASSOCIATIONS**

- Illuminating Engineering Society (IES)
- National Society of Black Engineers (NSBE)
- AutoCAD Users Group International (AUGI)
- Institute of Electronic and Electrical Engineers (IEEE)
- Project Management Institute (PMI)
- U.S. Green Building Council (USGBC)
- National Fire Protection Agency (NFPA) Member (inactive)