

# Kerstan Washington

## Electrical Power System Design and Analysis Engineer

Philadelphia, PA - Email me on Indeed: [indeed.com/r/Kerstan-Washington/470b6aea9d3f0a73](https://www.indeed.com/r/Kerstan-Washington/470b6aea9d3f0a73)

### WORK EXPERIENCE

#### Electrical Power System Design and Analysis Engineer

THE BOEING COMPANY - Philadelphia, PA - July 2010 to May 2012

PHILADELPHIA, PA July 2010- May 2012

Electrical Power System Design and Analysis Engineer

- Modified basic hardware and software designs based on defined requirements for Power Distribution System for the CH-47D/F Chinook Helicopter.
- Coordinated Specification Control Drawing (SCD), Interface Control Document (ICD), and Installation requirements between all sub-tier suppliers and Chinook Electrical Subsystems Teams
- Electrical Engineer Liaison for 787 Lighting System/ Everett, WA Onsite Support
- Electrical Wiring Design Engineer for the V22 Osprey

#### Electrical Power System Design and Analysis Engineer

THE BOEING COMPANY - Everett, WA - July 2004 to July 2010

EVERETT, WA July 2004- July 2010

Electrical Power System Design and Analysis Engineer

- Developed and documented electrical system requirements for Primary Power Distribution System (PPDS) for the 787 Dreamliner Airplane.
- Coordinated Specification Control Drawing (SCD), Interface Control Document (ICD), and Installation requirements between suppliers and the 787 Electrical Subsystems Teams.
- Designed electrical and digital interface for the 787 Ground Crew Call Horn between PPDS and Cabin Systems.
- Led trade studies in technical development for Engineering Review Board (ERB).

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THE BOEING COMPANY, EVERETT, WA July 2004- July 2010

Electrical Power System Design and Analysis Engineer

- Provided Boeing Overseas/Domestic On-Site Support
- Electrical Power System Test Engineer
- Primary Health Management and Testing Focal
- Built-In Test Equipment (BITE) Focal

### EDUCATION

#### B.S. in ELECTRICAL ENGINEERING

UNIVERSITY OF MEMPHIS - Memphis, TN

2004

#### ADDITIONAL INFORMATION

- B.S.E.E.
- Computer proficiencies: Microsoft Office Tools, MATLAB, C, C++, AutoCAD, Quattro Pro 9
- Dassault Systems PLM Solutions [CATIA and ENOVIA (over 1000 hrs Experience)]
- 787 Primary Power Distribution System (PPDS)