

Judy Amin

Electrical Engineer

Wayne, PA - Email me on Indeed: [indeed.com/r/Judy-Amin/7f2fb604c448c4f6](https://www.indeed.com/r/Judy-Amin/7f2fb604c448c4f6)

Technical Applications: MATLAB • Simulink • PSPICE/SPICE • Quartus II • AutoCAD • Mathcad • Maple

WORK EXPERIENCE

Electrical Engineer

Naval Air Systems Command (NAVAIR) - Lakehurst, NJ - February 2012 to December 2012

Researched prognostics algorithms for the Advanced Arresting Gear (AAG)'s health monitoring controls subsystem (HealthMAP) and devised suggestions for more efficient system performance

- Supervised defense contractors from General Atomics San Diego to monitor and maintain AAG and HealthMAP

- Tested and maintained engineering functions of the Visual Landing Aids (VLA) system

Completed tasks include: referencing naval engineering drawings to direct the fabrication and procurement of machine parts, updating and publishing CAD engineering drawings upon physical changes to VLA machines, and performing laboratory tests on VLA electrical components

- Held a secret-level security clearance and completed first year training under the Systems Planning, Research, Development and Engineering (SPRDE) career field for the U.S. Department of the Navy

Tutor

Villanova University Department of Electrical and Computer Engineering - September 2009 to March 2011

- Helped students understand concepts in circuit theory courses, signal processing, and control systems
- Demonstrated efficient coding methods and aided students with debugging in MATLAB

Other Villanova University Math Learning Resource Center (MLRC), Tutor
Summer to Winter 2010

EDUCATION

B.S.E.E. in Japanese

all semesters · Villanova University
September 2011

Villanova University - Villanova, PA
March 2009 to June 2011

Academic Excellence · Villanova University
April 2011

E.E. · Villanova University
2010 to 2011

Academic Achievement in E.E. · Villanova University
2010 to 2011

SKILLS

Microsoft Office (10+ years), C++ (4 years), Customer Service (2 years), Sales (2 years), MRP (2 years), Product Management (2 years), Shipping & Receiving (2 years), Computer Skills (10+ years), Matlab (4 years), Invoicing (2 years), Web

ADDITIONAL INFORMATION

Skills Programming Languages: C • C++ • VHDL • MATLAB

Operating Systems: MS Windows • Mac OS

Office Suite: MS Office • LibreOffice

Language

Skills English, fluent (US) • French, proficient • Gujarati, proficient • Japanese, proficient

Engineering Guzik Technical Enterprises, Senior Technical Support and Sales Engineer, Mountain View, CA
Mar. 2014 to Jan. 2016