

Stanley Nguyen

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EDUCATION

Boston University College of Engineering, Boston, MA

May 2023

Bachelor of Electrical Engineering

Relevant Courses: Power systems and electronics, Data Algorithms, Electromagnetics, Digital and Analog Design, Communication Systems

WORK EXPERIENCE

Teradyne, North Reading MA

Feb 2025 – Present

Engineering Asset Manager

- Improved the integration of capital equipment data across Finance, Planning, and Lab Management groups
- Implemented capital equipment ticketing system

Raytheon (RTX), Tewksbury MA

July 2023 – Feb 2025

Systems Sustainment Engineer I

- Reviewed software/firmware changes to determine safety impact, analyzing software requirements/architecture changes on the command and control of safety-significant system functions
- Analyzed electrical/mechanical drawings and schematics providing assessments of fault tolerance and dormant failures under safety requirements compliance (NEC, NAS 411, NFPA 70E)
- Fielded mission-critical safety assessments for deployed systems in various countries, including Patriot electrical/mechanical hardware maintenance and software updates.
- Oversaw two programs as safety lead (PAC-3 MSE/MIDS-JTRS) providing labor and work scope estimates to CAMs and PMs

Boston University, Boston MA

September 2022 – May 2023

Circuits Lab Assistant

- Ensured well-ordered lab operations by repairing and verifying function generators, oscilloscopes, and various lab equipment are in satisfactory working conditions
- Assisted students and faculty with the setup and execution of laboratory experiments as well as providing technical support and troubleshooting for experimental setups and lab equipment

National Grid, Waltham MA

May 2022 – August 2022

Transmission Asset Management Intern

- Analyzed transmission asset condition reports, providing needs cases for transmission asset capitalization, maintenance, and rebuilds via GIS
- Developed smart, reliable, and efficient future transmission systems for NE electric customers through asset risk analysis and planning
- Implemented strategic asset management practices to improve transmission system reliability alongside cross-functional teams as well as company stakeholders

PROJECTS

Machine Learning Airlines Data Project

- Utilized Matlab ML toolbox to analyze, organize, classify, and cluster models for 10,000 airline data entry points
- Compiled and scrubbed U.S airline data to determine the most consistent and reliable airline carrier

LM 386 Audio Amplifier

- Researched and designed a simple alarm system with low-voltage buzzers, Op-Amps, and motion sensors using Arduino-embedded firmware

SKILLS

Software: C/C++, Matlab, Python, LTspice, Verilog, Solidworks, Onshape, Creo Parametric, GIS, DOORS, cPDM

Manufacturing: CAD/CAM, Soldering, Lean Manufacturing Principles, LPKF (PCB Milling and Structuring)