

# Stanley Nguyen

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## EDUCATION

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**Johns Hopkins Whiting School of Engineering**, Baltimore, MD

Expected August 2027

*Master of Science in Electrical and Computer Engineering*

**Boston University College of Engineering**, Boston, MA

May 2023

*Bachelor of Electrical Engineering*

## WORK EXPERIENCE

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**Raytheon**, Tewksbury MA

July 2023 – Present

*Systems Engineer*

- Improved safety compliance and reduced risk exposure by implementing system-level safety reviews across major defense programs
- Reviewed electrical and mechanical designs to identify potential hazards and ensure compliance with U.S. military safety standards
- Contributed to mission-critical safety design evaluations for deployed systems across multiple countries, focusing on the maintenance of PATRIOT electrical and mechanical hardware, as well as software/firmware updates
- Provided technical solutions to Mechanical and Electrical design teams, ensuring that drafted work instructions and technical manuals for support and field engineers are safe and practical for integration

**Amazon**, Boston MA

August 2021 – Present

*CXO Associate*

- Supported warehouse operations by sorting and processing deliveries to meet service-level targets
- Provided direct customer assistance on returns and package troubleshooting, maintaining a positive customer experience
- Maintained consistent performance and accuracy in a fast-paced environment with daily throughput goals

**Boston University**, Boston MA

September 2022 – May 2023

*Circuits Lab Assistant*

- Repaired and maintained oscilloscopes, function generators, and PCB milling machines to ensure consistent lab operation.
- Assisted students with experimental setup, troubleshooting, and PCB fabrication.

**National Grid**, Waltham MA

May 2022 – August 2022

*Transmission Asset Engineering Intern*

- Analyzed asset condition data and proposed reliability upgrades, supporting \$10M+ in capital planning for transmission infrastructure
- Collaborated with cross-functional teams to apply strategic asset-management practices and enhancements to transmission system reliability

## PROJECTS

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**Arduino Autonomous Car**

- Designed and programmed an Arduino-based autonomous vehicle using infrared sensors for edge detection and closed-loop motor control

**LM 386 Audio Amplifier**

- Researched and designed a low-voltage alarm system using LM386 audio amplifier, op-amps, motion sensors, and Arduino-based firmware

## SKILLS

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**Software:** C/C++, Matlab, Python, Verilog, DOORS, Jira, MS Office Suite

**Hardware:** DMMs, Scopes, Micro Controllers, CAD, Soldering, PCB Milling and Structuring

**CAD/Design:** SolidWorks, Onshape, Creo Parametric, LTspice