Stanley Nguyen

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EDUCATION

Boston University, Boston, MA   Expected May 2023
Bachelor of Electrical Engineering
Wentworth Institute of Technology, Boston, MA   September 2019 – May 2020
Bachelor of Computer Engineering
Relevant Courses: Signals and Systems, Modern Physics, Electric Circuit Analysis, Mechanics, Electromagnetics, Probability, and Logic Design

RELEVANT WORK EXPERIENCE

RAMP, Wentworth Institute of Technology   June 2019 – August 2019
Student Intern
- Coordinated with project team, to prepare weekly progress reports presentations to peers and faculty members
- Oversaw a team of six members and formulated team member roles to design a reusable water sewage system for flat-roofed buildings in Boston
- Developed and administered preliminary design and detailed design process for sewage system project

Learn and Earn, Northeastern University   June 2018 – August 2018
Student Intern
- Cultivated a project team with a goal of learning and applying fundamental engineering design processes to create and assemble a functional model for potential clients
- Developed processes and documented weekly presentations showcasing progress in energy savings system design
- Explored and investigated energy usage cost data in high school buildings

ADDITIONAL WORK EXPERIENCE

Phan Electric, Boston MA   June 2020 – September 2020
Apprentice Electrician
- Calibrated and maintained equipment settings to provide electrical services for residential and commercial buildings under supervision of certified journeymen and master electricians
- Initiated and executed compliance of electrical code standards for residential and commercial contractors in the Greater Boston Area

Prime Now (Amazon Fresh), Boston MA   November 2019 – September 2020
Shopper/Problem Solver
- Enhanced customer satisfaction by maintaining less than 3.2% item not found percentage
- Sustained well-ordered shopper operations by verifying customer items are accurate and in satisfactory condition

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 most consistent and reliable airline carrier

Truss Design
- Organized a team of three to conduct research and development in a truss design with the highest strength-to-cost ratio under financial constraints
- Formulated a final engineering report of truss design with mathematical and financial analysis

Motion Detection System with Alarm (Personal Project)
- Developed and tested a simple alarm system with low-voltage buzzers, LED, and motion detector using Arduino hardware and C subset programming language

SKILLS

Software: C/C++, Matlab, LTspice, Verilog (Vivado), Solidworks, HTML, and Microsoft Excel
Manufacturing: CAD/CAM, Soldering, Lean Manufacturing Principles, and PCB design