

Joanne Truong

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Education

Northeastern University, Boston, MA **GPA: 3.85** **Anticipated May 2019**
• Bachelor of Science Electrical and Computer Engineering, Minor in Mathematics
• Deans List — Honors List
• Excellence Scholarship, Henry C. Jones Scholarship
Stuyvesant High School, New York, NY **GPA: 3.7** **2014**

Skills

• MATLAB, Python (MIT certified), C++, AutoCAD, SolidWorks, OrCAD, Mechanical Desktop, CADKEY, LabVIEW, Microsoft Office

Professional Experience

Northeastern University, Boston, MA **Sept 2015 – Present**
Software Developer for 3D Tissue Printing/ Research Assistant, working under Professor Gilbert
• Developing software applications & resources to enhance 3D printing processes on Digilab CellJet
Worcester Polytechnic Institute (WPI), Worcester, MA **Jun – Aug 2015**
Research Assistant, worked under Professor Yeessock Kim
Location optimization of MR dampers for the mitigation of structural damage due to high impact loads
• Conducted tests to determine optimal location of dampers
• Created MATLAB code to analyze results
• Generated graphs of structural response reduction due to dampers on Excel
• Wrote research paper to be used as a foundation for journal publication
• Created and presented poster presentation to professors and graduate students

Projects

Northeastern University, Boston, MA **Jan – May 2015**
Colored Ping Pong Ball Sorter
• Programmed sorting apparatus to sort stack of colored Ping-Pong balls: camera would identify color, stepper motor would rotate to appropriate receptacle, and actuator would release one ball from stack.
Stuyvesant High School, New York, NY **Jan – May 2013**
Line Tracing Autonomous Robot
• Designed models using mechanical design software, built three-dimensional models using a three-dimensional printer, and soldered electrical components
Stuyvesant High School, New York, NY **Sept – Dec 2013**
Maze Solving Robot
• Programmed, designed and constructed a small maze solving robot capable of edge detection, light sensing, and obstacle detection

Leadership & Involvement

Society of Asian Scientists and Engineers (SASE), Programs Chair **Sept 2014 – Present**
• On the logistics and finance committee to plan SASE's Northeastern Regional Conference
Society of Women Engineers (SWE) **Sept 2014 – Present**
Vietnamese Student Association (VSA) & VSA Dance **Sept 2014 – Present**
Asian Student Union (ASU) & ASU Dance **Sept 2014 – Present**