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 Yeesock Kim

MR Damper location optimization 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**