Joanne Truong

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Education

Northeastern University, Boston, MA **GPA: 3.85** **May 2019**
Bachelor of Science in Electrical and Computer Engineering, Minor in Mathematics
Honors & Awards: Deans List, Excellence Scholarship, Henry C. Jones Scholarship
Courses: Electronics, Linear Systems, Embedded Design Enabling Robotics, Circuits and Signals
Activities: IEEE, Society of Women Engineers, Vietnamese Student Association, VSA Dance

Stuyvesant High School, New York, NY **GPA: 3.7** **June 2014**

Skills

Software: NetBeans, Sublime Text, Solidworks, AutoCAD, OrCAD PSpice, Visual Studio, Mechanical Desktop, LabVIEW, CADKEY, Microsoft Office
Languages: MATLAB, Python (MIT certified), C++, C, LaTeX, Arduino, HTML, CSS, Javascript, G-code

Work Experience

Northeastern University, Boston, MA **Sept – Jan 2016**
Assistant Software Developer for 3D Tissue Printing/ Research Assistant

- Collaborated on developing software applications to enhance 3D printing processes on Digilab CellJet using G-code, Visual Studio and C++
- Aided in creating a procedure to convert basic 3D structures to discrete, printable points

Worcester Polytechnic Institute (WPI), Worcester, MA **Jun – Aug 2015**
Research Assistant
MR Damper location optimization for the mitigation of structural damage due to high impact loads

- Conducted tests to determine optimal location of dampers using LabVIEW, created MATLAB code to analyze results, generated graphs of structural response reduction due to dampers on Excel, and used AutoCAD to create a diagram of lab setup
- 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

- Designed sorting apparatus to sort stack of colored Ping-Pong balls using C++: 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 2014**
Line Tracing Autonomous Robot

- Designed models using Mechanical Desktop, built models using a 3D printer, and soldered electrical components

Autonomous Maze Solving Robot **Sept – Dec 2013**

- Programmed, designed and constructed a small, autonomous maze solving robot capable of edge detection, light sensing, and obstacle detection

Leadership & Involvement

Society of Asian Scientists and Engineers (SASE) **Sept 2014 – Present**
Programs Chair, Conference Logistics and Finance Subcommittee

- Plan, lead, and organize general meetings, workshops, and collaborations