David J. Tran

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EDUCATION:

**Boston University**, Computer Engineering, September ’13 – May ’17 Boston, MA

GPA: 3.55

Dean’s List (2013, Fall 2014 – Present)

**Boston Latin School**, Class of 2013, September ‘07 – June ‘13 Boston, MA

National Honors Society (2011 – Present)

**NSLI-Y APSA China Scholars**, June ’12 – August ’12 Beijing, China

WORK EXPERIENCE:

**Resident Assistant**, *Boston University* August ’15 – Present Boston, MA

* Promotes academic and social involvement, addressing student needs while helping them cultivate their undergraduate experience
* Responsible for developing a community of 50 residents and conflict mediation
* Serves on crisis response on-call rotation for an area of 600 residents
* Upholds and enforces all University and Housing policies
* Responsible for planning and executing 4 resident programs per semester

**Smart Lighting Researcher**, *Boston University* June ’15 – Sept. ’15 Boston, MA

* Led self-driven beam steering and indoor tracking project
* Researched, designed, and delivered an inexpensive and scalable proof-of-concept of tracking system to give preliminary insight into future Li-Fi systems
* Assisted one graduate student in applying a microelectromechanical mirror, developing the control algorithm used in tracking
* Attended yearly Smart Lighting conference which consisted of attending informational sessions and networking.

**Physics Learning Assistant**, *Boston University* Sept. ’14 – May ’15 Boston, MA

* Attended lecture and assisted in facilitating discovery and discussion of physics concepts
* Lead discussion classes to strengthen student mastery over learned concepts
* Assisted professor in creating in-class demonstrations of physics concepts
* Held weekly office hours for students to come in and discuss physics concepts

**Computer Assistant**, *Acton Animal Hospital* Jan. ’14 – August ’15 Acton, MA

* Assisted in computer and network maintenance
* Made several backups of the animal hospital’s files and documents
* Set up the business’s network and maintain the router

SKILLS AND INTERESTS:

**Software** Computer Support, Computer Vision, TCP/IP, Microsoft Office, Linux, C++, Python, HTML, CSS, Javascript, Java, Solidworks, Unreal Engine 4, Blender

**Electrical** Soldering, PCB Design, Arduino, MSP430, Raspberry Pi, Serial Communications

**Languages** Working knowledge of Mandarin and Cantonese, Study of Latin (4 years), English

**Student Groups** MakeBU, DeisVR (Virtual Reality)