

Victoria Tam

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Education

Massachusetts Institute of Technology

Cambridge, MA

Candidate for B.S.; Mechanical Engineering

Expected Graduation: June 2016

GPA: 4.6/5.0 • Relevant courses: Design and Manufacturing I, Mechanics and Materials I, Numerical Computation for Mechanical Engineers, Electronics for Mechanical Systems, Dynamics I

Palos Verdes Peninsula High School

Rolling Hills Estates, CA

GPA: 4.9/5.0 • Valedictorian (class of 650) • Tennis team captain

June 2012

Experience

Jon Lou

Cambridge, MA

Intern

Oct. 2013-Present

- Worked closely with co-founder of company whose mission is to integrate technology into stylish accessories. Prototyped different versions of an LED frame to automatically light up the inside of a handbag. Also helped with development and prototyping of future products for the line.

University of Hong Kong Dept. of Electrical and Electronic Engineering

Hong Kong, Hong Kong

Research Intern, member of 3-person team

June 2013 – Aug. 2013

- Developed an Android app using OpenCv that plays an educational video while using webcam to detect facial emotions of the user. Wrote algorithms to detect sleepiness, zoning out, and depth to screen. Results will be used to improve e-learning in classrooms.

Building Technology Program

Cambridge, MA

Undergraduate Research Assistant

Feb. 2013 – May 2013

- Compiled Life-Cycle Assessment report for Baker House, one of Boston's best works of architecture.
- Developed initial framework of a database for architects to input data of materials used in construction.

MIT VentureShips

Cambridge, MA

Team member

Sept. 2012 – Dec. 2012

- Mentored by CEO of startup Delightfully, a website for creating gift experiences with a personal touch. Gained entrepreneurial skills while helping with business development, market analysis, and company growth.

Leadership and Activities

MIT Design for America, *board member*

Oct. 2013-Present

- A club aimed at designing and creating products to solve issues in education, health, and the environment. Currently working to build a portable heating device for Boston's homeless community.

MIT Women's Varsity Tennis Team, *member, starter*

Sept. 2012 – Present

- Led team to its best finish in ten years, earning a berth to the NCAA tournament
- NEWMAC Conference Championship Tournament MVP (2012,2013)
- New England Women's and Men's Athletic Conference (NEWMAC) Rookie of the Year (2012)

Tennis Instructor

Aug. 2008 – Aug 2012

- Taught private tennis lessons to kids ages 4-16.

Peninsula Center Library Homework Helpers, *founder, tutor*

Sept. 2010 – Jan 2012

- Managed a free after-school tutoring service at local library. Organized schedule and coordinated staff of eight tutors to help students in grades K-8 with any subject.

Skills and Interests

- **Technology:** Java, MATLAB, Microsoft Office
- **Foreign Languages:** Fluent in Cantonese; conversational French
- **Additional Interests:** MIT DanceTroupe, MIT Society of Women Engineers, weight training, yoga, travel, foodie