

TOM BU

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EDUCATION

Yale University, New Haven, CT	<i>August 2013 - Present</i>
Major: Biomedical Engineering; GPA: 3.67	
Harvard Beijing Academy (HBA), Beijing, China	<i>June 2015 - August 2015</i>
Placed 3 rd in HBA's speech contest and in the Voice of HBA	
Social Study Project: Rural Chinese Healthcare Policy	
Montgomery Bell Academy, Nashville, TN	<i>August 2007 - May 2013</i>
National Merit Scholarship Finalist, AP National Scholar, Totomoi Society Member, Cum Laude Society Member	
GPA: 4.85 (Ranked 5 th)	

WORK EXPERIENCE

Student Researcher, Saltzman's Drug Delivery Research Lab at Yale	<i>November 2014 - Present</i>
<ul style="list-style-type: none"> Conducting research on drug delivery methods to treat glioblastoma multiforme (GBM) Responsibilities include experiment design, nanoparticle fabrication, and presentation of results Senior Project: Peptide Nucleic Acid Loaded PLA-HPG Nanoparticles for Convection-Enhanced Delivery 	
Student Researcher, Dollar's Robotics Research Lab at Yale	<i>May 2014 - July 2014</i>
<ul style="list-style-type: none"> Investigated the applicability of using 3D printing and low melting metals to fabricate electronic circuits Work was acknowledged in a publication: Swensen JP, Odhner LU, Araki B, Dollar AM. Printing Three-Dimensional Electrical Traces in Additive Manufactured Parts for Injection of Low Melting Temperature Metals. ASME. J. Mechanisms Robotics 	

ACTIVITIES

Yale Club Running	<i>August 2013 - Present</i>
<ul style="list-style-type: none"> Outreach Chair and Social Chair in the 2014-2015 and 2015-2016 seasons, respectively Lead group runs, organized social events, designed the team t-shirt, developed Club Running advertisement posters, coordinated a group run with the Harvard Running Club, and competed in the 2014 UConn Invitational 	
Ashita-Tomorrow	<i>August 2015 - Present</i>
<ul style="list-style-type: none"> Volunteering as an English partner for two Japanese high school students in Miyagi who were effected by the Tohoku Earthquake, practicing and teaching them conversational English 	
Yale University Connecticut Hospice	<i>November 2015 - Present</i>
<ul style="list-style-type: none"> Volunteering both as an assistant to nurses and an aid in the Art Department Interacting with patients and families at the hospice and gaining exposure to palliative care 	
Engineering Tour Guide at Yale University	<i>June 2014 - August 2014</i>
<ul style="list-style-type: none"> Gave weekly tours of Yale's engineering program to prospective students 	

AWARDS

Yale College Dean's Science Research Fellowship	<i>April 2016</i>
<ul style="list-style-type: none"> \$4,300 fellowship to conduct research in the Saltzman Drug Delivery Research Lab for 10 weeks 	
Banco Santander Scholarship	<i>April 2016</i>
<ul style="list-style-type: none"> \$2,000 scholarship to attend University Tokyo's two week Nanoscience program as part of the International Alliance of Research Universities (IARU) Global Summer Program 	
Yale Richard U. Light Fellowship	<i>February 2015</i>
<ul style="list-style-type: none"> \$9,000 fellowship to attend Harvard Beijing Academy for intensive Chinese language study 	
Yale Freshman Summer Research Fellowship	<i>April 2014</i>
<ul style="list-style-type: none"> \$4,300 fellowship to do research in the Dollar Robotics Research Lab for 10 weeks 	

SKILLS

- ☐ **Computer:** Solid Works, MATLAB, Word, Excel, Photoshop, Adobe Illustrator, JavaScript
- ☐ **Language:** Fluent in Mandarin Chinese and Limited Working Proficiency in Japanese