

155 Clearmeadow Drive
East Meadow, NY 11554

Daniel Wang
Phone: (516) 587-1266
Email: danielwang01@college.harvard.edu

370 Currier Mail Center
64 Linnaean St.
Cambridge, MA 02138

EDUCATION

Harvard University, Cambridge, MA

Expected Graduation: May 2017

S.B. Degree Candidate in Mechanical Engineering, Computer Science Secondary

Relevant Courses: Solid Mechanics, Thermodynamics, Circuits, Materials Eng., Abstraction/Design, Statistics/Probability, Multivariable Calc., Linear Algebra/Differential Equations, Computer-Aided Mech. Design, Physics

W. Tresper Clarke High School, Westbury, NY

June 2013

GPA: 4.0, Valedictorian, AP Scholar, Google Science Fair Global Finalist, National Merit Scholar, Coca-Cola Scholar

WORK EXPERIENCE

Space Exploration Technologies, Inc. (SpaceX)

Hawthorne, CA

Build Reliability Intern

May 2015 – August 2015

- Designed, built, and implemented web verification platform for NASA Commercial Crew Program certification
- Spearheaded and wrote software package to automate generation of Detailed Inspection Plans for engineering drawings of flight vehicle parts, saving ~2 engineering hours/drawing in a library of ~300,000 drawing files
- Designed and produced mechanical fixture for vibration testing of Dragon V2 spacecraft pressure transducers

Harvard Student Agencies, Inc. (HSA)

Cambridge, MA

Stock and Product Manager, The Harvard Shop

October 2013 – February 2015

Founder and Managing Director, Boston Apparel Company

June 2014 – Current

- Implemented an automated inventory reporting program, decreasing restocking transfer times by 50% overall
- Analyzed shipping delivery data to sign a strategic contract with Optima Worldwide Shipping, cutting international fulfillment costs by 30% and increasing web revenue by 40% over previous fiscal year
- Contributed to executing a \$2.5 million budget and reforecast analysis
- Spearheaded new partnership with Harvard Book Store to increase web sales with search engine optimization
- Managing new e-commerce subsidiary, including website backend development and inventory management

Engineering Teaching Labs, Harvard University

Cambridge, MA

ATV Design Team

February 2014 – May 2014

- Conceptualized, designed, and constructed an electro-mechanical ATV used to traverse an obstacle course
- Prototyped using SolidWorks/MasterCam, CNC Milling, 3D Printing, and Laser Cutting

Simmerling Laboratory, Stony Brook University

Stony Brook, NY

Simons Research Fellowship

June 2012 – August 2012

- Used NICS Kraken supercomputer to simulate and analyze the protein folding process

ACTIVITIES AND LEADERSHIP

Harvard College Engineering Society

October 2013 – Current

Junior Co-President

- Hosted Harvard E3 Conference with guest speakers from major technology/engineering firms and startups
- Coordinated professors and students to reintroduce a mentor-mentee program for engineering concentrators

Springboard: Harvard College's Design Club

September 2014 – Current

Designer

- Using human-centered design principles to implement a simpler laundry experience within Harvard houses

SKILLS AND INTERESTS

Computer Skills: C, HTML/CSS, PHP, SQL, OCaml, G-code, SolidWorks, VB, MS Office, InDesign/Photoshop

Languages: Spanish (conversational), Mandarin (conversational)

Interests: Flight Simulation, Space Exploration, Aviation, Violin, Tennis, Traveling, Ultimate Frisbee