

155 Clearmeadow Drive
East Meadow, NY 11554

Daniel Wang
Phone: (516) 587-1266
www.danielwang.me | 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, Fluid Mechanics, Thermodynamics, Circuits, Abstraction/Design, Data Science, Statistics/Probability, Multivariable Calc., Linear Algebra/Differential Eqs., Computer-aided Mechanical 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

Fitbit Inc.

San Francisco, CA

Mechanical Manufacturing Process Engineer Intern

May 2016 – Current

- Spearheaded implementation of real-time assembly line data dashboard and analysis of key production metrics
- Designed and implemented water leakage fixture to automate testing and serialization of mass production units
- Managed DFM and prototyping of semi-automated PCBA insertion fixture for high throughput and yield
- Performed DOEs to develop automation process flows, 6-axis robot pick/place routines, and CCD vision systems

Space Exploration Technologies, Inc. (SpaceX)

Hawthorne, CA

Build Reliability Engineering Intern

May 2015 – August 2015

- Designed, built, and implemented web software platform for NASA Commercial Crew Program certification
- Spearheaded product development of automated software package used to generate Detailed Inspection Plans for flight critical spacecraft parts, saving ~2 engineering hours/drawing in a library of ~300,000 drawing files
- Modeled and produced mechanical fixture for vibration testing of Dragon V2 spacecraft pressure transducers
- Directed research initiative for cleanroom facility regulations using 5S, 8D, and lean manufacturing principles

Harvard Student Agencies, Inc. (HSA)

Cambridge, MA

Founder and Managing Director, Boston Apparel Company

October 2013 – February 2016

- Led a group of 12 hourly associates in a \$3 million retail business, achieving highest NPS in company history
- Implemented an automated inventory reporting program to decrease supply chain restocking times by 50% overall
- Signed strategic shipping contract to cut international fulfillment costs by 30% and increase web revenue by 40%
- Launched a new e-commerce subsidiary, including website backend development and supply chain management

ACTIVITIES AND LEADERSHIP

Harvard/MIT Robotic Soccer Team (RoboCup)

August 2015 – Current

Mechanical Subteam engineer, Computer Software Subteam engineer

- CAD/MasterCam/3D printing/CNC milling/lasercutting for autonomous robots in international RoboCup contest
- Interface with CS/EE subteams to implement ball dribbling and kicking mechanism for passing and shooting

Harvard/NASA StratoCruiser Flight System

December 2015 – Current

Project Manager, Mechanical Engineering

- Design and fabricate airflow system onboard long-duration balloon flight system for stratospheric air sampling

Harvard College Engineering Society

October 2013 – Current

Senior Co-President

- Organize student mentorship programs, career/entrepreneurship tech talks, and engineering community events

SKILLS AND INTERESTS

Skills: C, HTML/CSS, PHP, SQL, Python, OCaml, G-code, CNC, machine shop, 3D printing, SolidWorks, VB
Languages: Spanish (conversational), Mandarin (conversational)
Interests: Flight Simulation, Space Exploration, Violin, Tennis, Traveling, Ultimate Frisbee, Hiking