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Daniel Wang

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EDUCATION

Harvard University, Cambridge, MA **May 2017**
S.B. Degree Candidate in Mechanical Engineering, Computer Science Secondary, GPA: 3.62
Relevant Courses: Abstraction/Design, Data Science, AI, Systems Programming, Solid Mechanics, Fluid Mechanics, Thermodynamics, Circuits, Statistics/Probability, Multi. Calc., Lin. Alg./Differ Eqs., CAD 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

Uber Technologies, Inc. **San Francisco, CA**
Product Manager **August 2017 – Present**

- *Uber Eats Marketplace:* Drove $300M+ incremental gross bookings by globally launching a new discounted eater feature leveraging real-time logistics efficiencies, similar to Uber Pool. Built and patented machine learning models used to predict dispatch times for couriers, resulting in >20% reduction in delivery time errors
- *Uber Advanced Technologies Group (ATG):* Spearheaded product vision and roadmap for an in-house built virtual simulation platform designed to test autonomy code more quickly and safely for self-driving vehicles
- 1 of 8 college-grads accepted into highly-competitive Kleiner Perkins (KP) Product Fellows program in 2017

Fitbit, Inc. **San Francisco, CA**
Mechanical Manufacturing Process Engineer Intern **May 2016 – August 2016**

- Spearheaded software development of real-time data dashboard for analysis and KPIs of overseas assembly lines
- Designed and implemented water leakage fixture to automate testing and serialization for Fitbit Flex 2 tracker
- 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
- Served as product manager & developer for automated software package used to generate Detailed Inspection Plans for 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

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

Drone-Based Atmospheric Sampler Instrument **January 2017 – Current**
Lead Engineer, Co-Author

- Designed & fabricated a drone-based sampler instrument for atmospheric volatile organic compounds (VOCs)
- Conducted flight missions in Manaus, Brazil, published paper in AMT, and given Harvard SEAS Dean's Award

Harvard College Engineering Society **October 2013 – May 2017**
Senior Co-President

- Lead executive board and a team of 12 project managers to implement on-campus engineering programs/events
- Established a student mentorship program, career treks to local companies, and hardware hackathon nights

SKILLS AND INTERESTS

Skills: C, HTML/CSS, PHP, SQL, Python, OCaml, G-code, CNC, machine shop, 3D printing, SolidWorks, VB
Patents/Pubs: Patent WO/2019/090024, Atmos. Meas. Tech., 12, 3123–3135, 2019
Interests: Flight Simulation, Space Exploration, Violin, Italian Cuisine, Tennis, Traveling, Ultimate Frisbee, Hiking