HANS TERCEK

98 Professors Row, Medford, MA 02155
310-739-1738 | hans.tercek@gmail.com

EDUCATION

Tufts University, Medford, MA, GPA: 3.03
Bachelor of Science in Mechanical Engineering, expected May 2018
Minor: Computer Science
Honors: Dean's List, Kershner Scholar

Beverly Hills High School, Beverly Hills, CA
Honors: BHHS PTSA Scholarship Recipient, National Merit Commended Scholar, National AP Scholar
Graduation: May 2014

PROJECTS

Tufts ME-43 - ReMaterials Impact Tester, *Electrical and Software Head*, Fall 2017
- Designing and deploying a low-cost impact tester for ReMaterials, an India-based roofing company.
- Leading electrical/software development and heavily contributing to machine design and fabrication.
- Traveling to Hyderabad, India, in January to meet with company and deploy product.

Tufts Formula Hybrid - Suspension Redesign, *Project Leader, CAD Engineer, and Machinist*, 2015 - 2017
- Led 25+ member team to redesign and construct car's rear suspension to meet FSAE specifications.
- Design, machine and assemble various additional components.

Industry Square, *Chief Operating Officer,* 2016 - Present
- Developing web platform with 5-member team aimed at simplifying the life sciences marketplace.
- Conduct market research for platform development and actively work on business strategy.

TECHNICAL EXPERIENCE

Hydroswarm, Cambridge, MA
Engineering Intern, June - July 2017
- Developed, presented, and prototyped autonomous boat technologies focused on launch and retrieval of autonomous underwater vehicles.
- Skills Used: SolidWorks, Arduino IDE, Raspberry Pi, Python, C++, electrical board design and assembly, 3D Printing (FDM), Rapid Prototyping

The Company Lab, Chattanooga, TN
Mechanical Engineering Specialist, May - July 2016
- Worked with startups, including Collider Tech and UTChattSat, on CAD work, 3D printing, product research and design development, and prototyping of individual components and systems.
- Researched and developed alternative print methods for SLA printing using LCDs and optics.
- Skills Used: SolidWorks, 3D Printing (SLA and FDM), Laser Cutting, Metal Machining

Pi-top, London, UK
Engineering Intern, July - August 2015
- Led packaging design for the Pi-top and aided in product development for the Pi-top CEED.
- Collaborated with overseas manufacturers to optimize manufacturing costs based on drawing packets.
- Skills Used: SolidWorks, Raspberry Pi, 3D Printing (FDM), Adobe Suite

ADDITIONAL EXPERIENCE and LEADERSHIP

Tufts ME-84: Intro to Robotics, *Teaching Assistant*, Fall 2018
- Will be assisting in instruction and course development of Raspberry Pi-centered robotics curriculum.

Tufts Club Water Polo, *Captain, Coach, Goalie*, 2015 - Present
- Captained, coached, and played goalie, leading team to a second place national title.

Delta Tau Delta - Beta Mu, *Director of Diversity and Inclusion*, 2016 - 2017
Director of Academic Affairs, 2015 - 2016

Tufts Observer, *Multimedia Team - Web*, *www.tuftsobserver.org,* October 2017 - Present

Tufts Consulting Collective, *Analyst*, September 2017 - Present

Tufts University, *Orientation Leader*, August - September 2015

ACTIVITIES and ATHLETICS

Troop 33 - Beverly Hills, *Eagle Scout*

German, *Intermediate Proficiency*

FIRST FRC Team 1515, *Build Captain*, 2010 - 2014

Radio Airlift, *Co-Founder and Radio Host*, 2012 - 2014

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RELEVANT COURSEWORK

Mechanical Engineering

- ME-184: Advanced Robotics
- ME-84: Intro. to Robotics and Mechatronics
- ME-80: System Dynamics and Controls
- ME-43: Senior Design: Design for Emerging Markets
- ME-42: Machine Design
- ME-37: Dynamics & Vibration
- ME-25: Engineering Materials
- ME-18: Instruments & Experiments
- ME-16: Heat Transfer

Computer Science

- Languages: Python, C++, JavaScript, SML, Scheme, HTML, CSS
- COMP-15: Data Structures
- COMP-20: Web Programming
- COMP-105: Programming Languages

Scheduled Credits

- ME-93: Optimal Control for Robotics
- COMP-160: Algorithms