YEOLIM JO

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EDUCATION

CORNELL UNIVERSITY, ITHACA NEW YORK   *EXPECTED MAY 2019*
CANDIDATE FOR BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING, COMPUTER SCIENCE MINOR
GPA: 3.56/4.00

BROOKLINE HIGH SCHOOL, BROOKLINE MASSACHUSETTS   *MAY 2015*
HIGH SCHOOL DIPLOMA
GPA: 3.99/4.00 (UW)

PROJECT EXPERIENCE

CORNELL BAJA RACING   *SEPTEMBER 2015 - PRESENT*
ITHACA NEW YORK

- Small group of undergraduates that custom design, analyze, and manufacture an off road racer to compete in 3 spring competitions
- Designed the aluminum removable gas tank in the 2015-2016 competition cycle – developed a two-piece technique to simplify the manufacturing process
- Creating and implementing bearing tests that will help choose bearings for the gearbox and rear and front hubs optimized for size, weight, efficiency, and strength
- Designing the front hubs for the 2016-2017 competition cycle using SolidWorks and Finite Element Analysis
- Test developer for the continuously variable transmission dynamometer

EXTRACURRICULAR ACTIVITIES

OUTDOOR ODYSSEY GUIDE   *NOVEMBER 2015-PRESENT*
CORNELL OUTDOOR EDUCATION, ITHACA NEW YORK

- Backpacking pre-orientation guide for incoming freshman
- Completion of comprehensive leadership training program including Wilderness First Aid certification
- Led a group of 5 undergraduates with a co-guide for 4 nights in the Finger Lakes Region, teaching them outdoor skills and fostering relationships

TEACHING ASSISTANT   *AUGUST 2016 - PRESENT*
CORNELL OUTDOOR EDUCATION, ITHACA NEW YORK

- Teaching assistant for an introduction to stand up paddleboarding PE class
- Guiding students of all ages to master rudimentary paddleboarding skills while touring local lakes and bodies

AWARDS

Dean's List (Fall 2015, Spring 2016), National Senior Honor Society (April 2015), William H. Lincoln Award in Chinese (April 2015), Society of Women Engineers – Highest Honors (April 2015), Robert T. Wiggins Award in Mathematics – Grade 12 (April 2015)

SKILLS

Design: SolidWorks, Adobe Photoshop
Machining: Mill, Lathe
Composites: wet lay-ups with carbon fiber, Kevlar, and fiberglass
Languages: Python, MATLAB

RELEVANT COURSEWORK

Statics and Mechanics of Solids, Introduction to Computing Using Python, Transition to MATLAB, Thermodynamics (Fall 2016), Object Oriented Programming and Data Structures (Fall 2016), Mechanical Properties of Materials (Fall 2016)