

**Christian White**

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[christian.white@yale.edu](mailto:christian.white@yale.edu)**RELEVANT SKILLS/QUALIFICATIONS**

- **Software:** Microsoft Office Package, SolidWorks Design Package, MATLAB, Mathematica, C, C++, SAP (System Applications Products), Arduino
- Operational knowledge of basic lab equipment, oscilloscopes, breadboards, etc.
- Machine shop trained: saws, mills, lathes, etc.
- **Language:** Certified proficiency in Madarin Chinese

**EDUCATION****South Carolina Governor's School for Science & Mathematics**, graduated May 2014**Yale University**, New Haven, CT*Bachelor of Science in Mechanical Engineering, ABET Accreditation*, expected May 2018**GPA: 3.39/4.0****Relevant Coursework:** Thermodynamics, Solid Mechanics, Fluid Mechanics, Mechanical Design, Material Science, Heat Transfer**Study Abroad:** Capital Normal University (Beijing, China; Summer 2015), University of Edinburgh (Edinburgh, United Kingdom; Fall 2016)**RESEARCH & ACADEMIC EXPERIENCE****Yale School of Forestry and Environmental Science**, New Haven, CT

January 2016-Present

*Undergrad Researcher*

- Worked on a project for the analysis and modeling of heat rejection in thermo-greenwalls, sustainable green infrastructure units
- Responsible for the analysis of heat flow using mathematical models in MATLAB and SimuLink
- Researched the implementation of thermo-greenwalls into urban infrastructure

**Yale Social Robotics Lab**, New Haven, CT

February 2016-May 2016

*Undergrad Researcher*

- Assist in building embodied computational models of human behavior, in order to study interactions between humans and robots
- Worked in teams for the design, assembly, and programming for robots intended to carry out social interaction and conducted experiments with children impaired with ASD

**Medical University of South Carolina**, Charleston, SC

June 2013-August 2013

*Research Intern*

- Member of the pilot class of a diversity outreach internship program dedicated to involving minorities in entrepreneurship and technological careers
- Using Microsoft SQL Server and Visual Studios, designed the code to develop a mobile medication app for purchase on Android market

**WORK & PROFESSIONAL EXPERIENCE****Yale Center for Teaching and Learning**

January 2017-Present

*Computer Science Tutor*

- Help Undergrads taking ENAS 130 (Computer Science for Scientist & Engineers) with class assignments and test preparation

**Rockwell Automation**, Middleton, WI

May 2016-August 2016

*Manufacturing Engineering Intern*

- Worked in a facility designing and building Dynamic Sag Correctors (DySC), systems designed to monitor automated machines
- Responsible for the evaluation and improvement of assembly line producing ProDySC units: designed and implemented new assembly layout, and designed and constructed an ergonomically conscious fixture
- Served as interface between production staff and management, articulating problems and concerns on the production floor

**CAMPUS INVOLVEMENT/LEADERSHIP****National Society for Black Engineers**

September 2014-Present

*President (2016/2017)*

- Provide support and advice for students of color in Yale's engineering and STEM community
- Responsible for outlining chapter goals, maintaining the board files, and writing the monthly chapter report
- Started a tutoring/mentoring program in New Haven to help freshmen with basic math skills

**No Closed Doors**

February 2016-Present

- Student run volunteer program assisting socioeconomically disadvantaged New Haven residents write resumes, cover letters, apply for jobs, housing, and other benefits