

Kevin Fantl

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451 W Washington Ave • Madison, WI 53703 (School)
W247N5915 Grouse Court • Sussex, WI 53089 (Home)

Education

University of Wisconsin - Madison, College of Engineering (Direct Admit) Madison, WI
Degree: Bachelors of Science-Biomedical Engineering
Major: Biomedical Engineering (Biomechanics Emphasis) Expected Graduation: May 2019
Overall GPA: 3.83/4.0
Dean's List Fall 2015-16, Spring 2015-16, Fall 2016-17, and Spring 2016-17

Experience

Schiller Grounds Care, Inc. Johnson Creek, WI
Mechanical Design Engineering Intern May 2017 - Present

- Utilize Solidworks to create and update engineering drawings and parts for an ongoing brand project
- Develop and make improvements to fixtures, manufacturing processes, and SOE's for current production lines
- Create functioning models that satisfy ANSI standards for test enclosures for new products

Vascular Tissue Biomechanics Laboratory (VTB) August 2016 - Present
Undergraduate Researcher

- Execute data analysis to determine the effects of hypoxia and sickle cell disease on right ventricle afterloads, cardiac output, and ventricular-vascular efficiency (coupling)
- Assist graduate students and PI in laboratory functions

BME 201 Design Project, Synthetic Bone Graft January 2017 - May 2017
BME 201 Student

- Developed an efficient biomaterial to function as a bone graft and closely resemble the properties of native bone
- Designed a bioreactor to mimic the physiological conditions of a human body to accurately simulate the implementation of the bone graft
- Tested mechanical material strength with UTM to determine adequacy of performance

Aerial Work Platforms Sussex, WI
Mechanic/Technician June 2015-August 2016

- Inspected, analyzed, and repaired powered scissor lifts, booms, and forklifts of various sizes
- Coordinated orders from an office environment and implemented them in a shop environment
- Attained beneficial hands-on mechanical experience from shop professionals

Other: BME 200 Design Projects, InterEGR 160 Design Project, Clinical lab studies at Marquette University, General Chemistry Laboratories, Biology Laboratories, Physics Laboratory, Red/Green Pass Seminars, Mission Trips, National Honor Society

Involvement

Society of Biomedical Engineers (BMES), UW - Madison College of Engineering September 2015 - Present
Vice President / Diversity Chair / Engineering Expo Committee

- Lead executive board in discussing, planning, and executing all actions of BMES
- Create and coordinate events with other organizations to further enrich the integrity and capabilities of BMES
- Communicate efficiently in a small group to plan, execute, and host an exposition about Biomedical Engineering for children of all ages

Other: Relay For Life, InterEGR 160 Lectures

Skills

Proficient in Solidworks
Proficient in Microsoft Word, Powerpoint, Excel, and other presentation software
Proficient Spanish knowledge
Proficient shop skills