Brent Michael Wooldridge

www.linkedin.com/in/brentmw
wooldbre@tamu.edu | 713.412.7314

EDUCATION

TEXAS A&M UNIVERSITY
B.S. in Mechanical Engineering
Minor in Mathematics (Fall 2016)
Pursuing Fast-Track M.S. in ME
Entered college with 34 credit hours
Classified Junior (U3)
May 2019 | College Station, Texas
Cum. GPA: 3.4

CONNECT

LinkedIn:// **brentmw**
Twitter:// **@iBrently**
Facebook:// **Brent Wooldridge**

COURSEWORK

Differential Equations
Engineering Mechanics
Calculus III
Physics Electricity & Magnetism
Physics Mechanics
Material Science
Chemistry for Engineers
Foundations of Engineering
Economic Analysis of Engr Projects
Math Probability
Linear Algebra

SKILLS

Solidworks (advanced) • AutoCAD
Catia V5 (learning) • Matlab
Excel •Word •LabView • XFLR5
PowerPoint • German (limited)

HONORS & AWARDS

- Presidential Award of Academic Exellence
- Distinguished Achievement Scholar
- University Interscholastic League Scholar
- Advanced Placement Scholar

EXPERIENCE

RESEARCH | Student Assistant to Dr. Rainer Fink
Jan 2016 - Present | College Station, TX

- Part time employee performing research and generating designs utilizing Solidworks with a team of engineers for various projects.
- Previous projects include a Raman Spectrometer that detects chemical compounds in breath to determine disease states in humans for space suits, an impact detector for watercraft, and a self-propeled hydroelectric kayak that was recently approved by Bass Pro Shop.

HGE CONSULTING, INC. | Summer Engineering Observation
Jul 2015 | Houston, TX

- Engineering firm specializing in commerical construction.
- Learned about their process of business through the mechanical/electrical engineers and the President of HGE Consulting.
- Learned how the team utilizes AutoCAD to draft HVAC, plumbing, and electrical systems for their clients.

EXTRACURRICULAR ACTIVITIES

SAE AERO | CAD/Manufacturing Team
Apr 2016 – Present | College Station, TX

- Highly selective team of about 30 engineering students who design and construct electric powered radio controlled aircraft for international competition. Funded by the Aerospace Department.
- Regular class is identical to a full scale Cessna 172 with differences including wingloading, Reynold's Numbers, and moments of inertia. Micro class has more material freedom and is smaller in design.
- Contribution: Generate models through Solidworks and assist in designing/manufacturing the aircraft.

FORMULA SAE | Assistant to Senior Design Team
Nov 2015 – Present | College Station, TX

- A team of engineering students who design, construct, and drive a Formula 1 vehicle for international competition.
- Contribution: Assist in vehicle construction, clean and remove parts from vehicles of previous competitions.

ENGINEERING GLOBAL PROGRAM | Member
Aug 2015 - Present | College Station, TX

- Group of engineering students who invite foreign Texas A&M faculty/graduates to give a presentation on engineering and opportunities in their native country.
- Helps me attain a greater understanding of how engineering impacts other cultures and countries around the world.