Emmett E. Galles

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OBJECTIVE

An entry-level position in the law industry that encourages critical, creative, and interdisciplinary thinking.

EDUCATION

University of Wisconsin-Madison Expected Graduation Date: May 2021

* B.S. Double Major: Engineering Mechanics, Mathematics
* Cumulative GPA: 3.81 / 4.0
* Dean's List (all semesters), Engineering Honors in Liberal Arts

WORK EXPERIENCE

Notbohm Research Group: Madison, WI May 2019 - present

Undergraduate Researcher

* Write more than forty MATLAB scripts to characterize local cell motion during collective cell migration
* Model and capture the mechanical effects of local fiber thickness in fibrous networks using finite element software
* Collaborate with graduate students and principal investigator to share ideas and conclusions on a weekly basis

Undergraduate Learning Center: Madison, WI August 2018 - present

Head Tutor

* Tutor college students in both one-on-one and group settings in fundamental engineering and math courses
* Lead a group of fifteen tutors to provide a consistent learning resource for over fifty STEM courses

L'Etoile Restaurant: Madison, WI September 2017 - August 2018

Service Assistant

* Learned technical and intricate service details of a fine-dining restaurant to complete training within four shifts
* Maintained composure and high standards while handling multiple responsibilities in hectic situations

CAMPUS INVOLVEMENT

UW-Madison Department of Astronomy: Madison, WI January 2018 - July 2018

Undergraduate Research Assistant

* Navigated through NASA's database of over 900,000 near-Earth objects to locate unidentified asteroids
* Learned the fundamentals of Linux and image processing software to generate results within two weeks

Sensory Board Project: Madison, WI August 2017 - December 2017

Team Leader

* Led a team of seven students through the design, manufacturing, and testing of an interactive sensory board

PUBLICATIONS

* *MATH 521 (Analysis I) Course Notes*, GitHub (link) July 2020
* *Spatiotemporal force and motion in collective cell migration*, Nature Scientific Data (link) June 2020

SKILLS

Microsoft (Excel, Word, PowerPoint), MATLAB, Python, LaTeX, SolidWorks, Windows 10, ImageJ, Maple