

Emmett E. Galles

262.443.6051 | egalles@wisc.edu | 1215 Mound St, Apartment #2, Madison, WI 53715

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: 3.83 / 4.0
- * Dean's List (all semesters), Engineering Honors in Liberal Arts

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

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

- * Lead a group of fifteen tutors to effectively provide a valuable learning resource for over fifty STEM courses
- * Pioneer the creation of weekly instructional videos in response to COVID-19 for a core engineering course

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

SKILLS

Microsoft (Excel, Word, PowerPoint), MATLAB, Python, L^AT_EX, SolidWorks, Windows 10, ImageJ, Maple