

Emma J. Dums

emmajd@live.unc.edu | (540) 529-5992
185 Marquise Dr., Christiansburg, VA 24073

EDUCATION

University of North Carolina at Chapel Hill *Expected May 2022*
Bachelor of Arts in Exercise and Sports Science; Minors in Chemistry and Neuroscience
Cumulative GPA: 3.99 | Major GPA: 4.0
UNC Science in Dublin, IES Abroad **June-July 2019**

HONORS AND AWARDS

Jenner Carey Bryan Fellowship, University of North Carolina at Chapel Hill **May 2021**
Dean's List, University of North Carolina at Chapel Hill **2018-2021**

- Awarded all semesters

NAIGC Scholarship for Continuing Gymnastics in College, National Association of Intercollegiate Gymnastics Clubs **2018**

RESEARCH EXPERIENCE

Senior Honors Thesis **August 2021-present**

- Developed and currently conducting a cross-sectional study for my senior honors thesis. This study examines how mental health issues such as anxiety, depression, and post-traumatic stress disorder, affect white matter integrity in the brains of soldiers, with a focus on the mediation effects of mild traumatic brain injury on the relationship between white matter integrity and these mental health disorders.
- Analyzed MRI and DTI scans using tractography methods
- Managed and organized data from participant survey responses

Jenner Carey Bryan Fellow, Matthew Gfeller Center **May 2021-present**

- Assisting Post-Doctoral and Doctoral students in collecting and managing data for their research projects
- Administering a battery of neurological and balance tests on study populations
- Filing participant forms and assessments

RESEARCH PRESENTATIONS

Dums, E. (2021) "The Effects of mTBI on the Relationship Between Mental Health and White Matter Integrity in Soldiers." EXSS Undergraduate Research Symposium, University of North Carolina at Chapel Hill, Chapel Hill, NC. [Oral Presentation] **November 2021**

PUBLICATIONS

Albanese, K., Carpenter, B., **Dums, E.**, Daumen, N., Pittman, A., Boyle, K., Britt, B., Nicholson, K.
CHEM 101 Recitation Coursepack, University of North Carolina at Chapel Hill, April 2020.

RELEVANT WORK EXPERIENCE

Community Manager, Carolina Housing, UNC-Chapel Hill **August 2021-present**

- Managed a residence hall front office and Office Assistants (OAs) working at the desk
- Created schedules for Resident Advisors and OAs
- Planned and lead trainings and staff meetings for OAs
- Collaborated with professional staff members and students to ensure proper usage of keys and enhancements within the community
- Implemented novel procedures at the desk to assist OAs and RAs when ordering keys and recording receipts
- Managed the budget for the RA programs, salaries, and staff development

Resident Advisor Mentor, Carolina Housing, UNC-Chapel Hill **August 2020-December 2020**

- Oversaw programming efforts for the student staff in the residence hall, including shopping for supplies
- Served as a liaison between student staff and professional staff
- Worked to create an inclusive on-campus housing environment that promotes personal development, citizenship, involvement, and leadership through the practice of Community Immersion
- Mediated conflicts between residents as well as staff members

Resident Advisor, Carolina Housing, UNC-Chapel Hill **August 2019-May 2021**

- Planned programs to engage students in community and campus life
- Worked to create an inclusive on-campus housing environment that promotes personal development, citizenship, involvement, and leadership through the practice of Community Immersion
- Mediated conflicts between residents

Gymnastics Coach, Virginia Techniques Gymnastics, Christiansburg, VA **May 2014 -December 2019**

- Coached ages 3-12 in fundamental gymnastics skills
- Planned lessons for classes and provided a safe environment for students
- Evaluated gymnastics skills and communicated progress with parents

TEACHING EXPERIENCE

Peer Mentor, CHEM 101(General Descriptive Chemistry I) and CHEM 262 (Organic Chemistry II), UNC-Chapel Hill **2019-2020**

- Developed recitation powerpoints with relevant practice problems and lessons supplementary to lectures
- Lead recitation sessions in a classroom setting with a partner
- Answered student questions during lecture and guided them to develop answers to the classroom questions on their own

SERVICE AND LEADERSHIP

Co-President, Club Gymnastics at UNC-CH, UNC -Chapel Hill **May 2021-present**

- Coordinated with Carolina Athletics to organize volunteers for fundraising opportunities
- Served as the point of contact for new members as well as Campus Rec Staff
- Collaborating with other universities to plan competitions and travel for the club while maintaining the budget
- Oversaw the work of the other officers for the team

Student Volunteer, UNC Memorial Hospital, Chapel Hill, NC **January 2019-present**

- Answered call bells and responded to patient needs
- Delivered flowers, mail, packages, and food to patients across the hospital
- Trained new student volunteers in the flower and mail delivery position

Meet Manager, Carolina Gymnastics, UNC-Chapel Hill **2019-present**

- Ran the scoretable during NCAA gymnastics meets to ensure that the proper information was recorded
- Greeted judges and provided them with necessary materials before competition

Service and Leadership Residential Learning Program, Hinton James Residence Hall, UNC-Chapel Hill **August 2018-May 2019**

- Collaborated with other members to create service and advocacy projects across campus
- Explored different leadership styles and techniques through participation in team activities

Children's Church Teacher, Community Life Church, Radford, VA and The Point Church, Chapel Hill, NC **May 2014-March 2020**

- Prepared Bible lessons and activities for children ages 3-12
- Organized games and taught children during service