

Megan M. Korn

1762 Clifton Road, Atlanta, GA 30322 • meghan.korn@emory.edu • (973) 534-7331

EDUCATION

Emory University

Atlanta, GA

Chemistry BS Major, Mathematics Minor

May 2020

Cumulative GPA: 3.87/4.00, Major GPA: 3.87/4.00

Dean's List: Spring 2017, Spring 2018

Relevant Courses: Organic Chemistry I & II with Lab, Organometallic Chemistry, Biochemistry, Physical Chemistry I & II with Lab, Analytical Chemistry with Lab, Ordinary & Partial Differential Equations, Linear Algebra, and Multivariable Calculus

Lehigh University

Bethlehem, PA

Relevant Courses: Calculus-Based Physics I & II with Lab

May 2017 – Aug. 2017

RESEARCH EXPERIENCE

Summer Undergraduate Research at Emory (SURE) Fellow

Atlanta, GA

Heemstra Lab, Emory University

May-Aug. 2019

- Selected from a highly competitive field of applicants
- Designed an independent research project and presented findings at a research symposium
- Participated in professional development and research ethics seminars weekly

Acrylamide and Carbodiimide Derivatives for Chemical Profiling of the Epitranscriptome

Atlanta, GA

Heemstra Lab, Emory University

Aug. 2018 – Present

- Designed and carried out organic syntheses of an acrylamide derivative and carbodiimide derivatives for inosine base and pseudouridine base labeling for a click-compatible system
- Characterized the molecules using NMR and mass spectroscopy
- Presented findings in formalized talks during group meetings
- Designed a poster of the project for the CHEM 499RW course

Synthesis of Threose Nucleic Acid Monomers

Atlanta, GA

Heemstra Lab, Emory University

Jan. 2018 – Present

- Carried out complete organic synthesis of adenine phosphoramidite monomer; obtained skills of column chromatography, NMR spectroscopy, mass spectroscopy, prep-TLC chromatography
- Presented findings in formalized talks during group meetings

LEADERSHIP & COMMUNITY INVOLVEMENT

Emory Running Club, Co-President

Aug. 2018 – Present

- Organized and led group runs four times a week, culminating in four off-campus races
- Improved club-wide communication for 140 members
- Developed relationships with Atlanta Track Club and Big Peach Running Stores
- Organized and carried out an on-campus race that benefitted the Best Buddies club—an organization that seeks to improve the lives of those living with intellectual and developmental disabilities

Organic Chemistry I & II Studio Session, Session Leader

Sept. 2017 – May 2018

- Met once a month with 10 organic chemistry students to lead them through problem sets, including mechanisms, synthesis, and kinetics questions
- Fielded questions and reviewed in-class material
- Developed and fostered a collaborative learning environment by allowing students to drive the topics of each session

ADDITIONAL INFORMATION

Other Activities: Outdoor Emory

Skills: German (Intermediate), Basic website design, Basic podcasting, Proficiency in Audacity, Proficiency in Tableau

Interests: Long- distance running, Sailing, Hiking, Backpacking, Birding, Guitar