

Henos Negash

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EDUCATION

Colorado College, Colorado Springs, Colorado

B.A, Biochemistry, GPA: 3.86, Cum Laude, <https://meritpages.com/Henos-Negash/5731373>

Honors: First year chemistry award for excellent performance in General Chemistry I & II (2017) and Dean's list (2017, 2018, 2019)

Relevant Coursework: Biochemistry I & II; Advanced Mentored Research in Biochemistry (2 month); Organic Chemistry I & II; Mentored Research in Organic Chemistry (1 month); Advanced Inorganic Chemistry; General Chemistry I and II; Genetics; Laboratory in Molecular Microbiology; Laboratory in Molecular and Cellular Biology and Genetics; Calculus I and II; Linear Algebra

Relevant Experience

Colorado College, Colorado Springs, CO

Computational Chemistry Research Assistant, Mentor – Professor Sally Meyer

May-July 2017

- Worked with WebMO software to analyze and study properties relating to the strength of an acid.
- Designed a project for General Chemistry students on the idea of Entropy and its relation to Acid strength.

Colorado College, Colorado Springs, CO

Organic Chemistry Intern, Mentor – Assistant Professor Jessica Kisunzu

May-August 2018

- Performed numerous reactions of Benzyne with dicarbonyl compounds and analyzed data using Nuclear Magnetic Resonance (NMR), High-Pressure Liquid Chromatography (HPLC) and Gas Chromatography - Mass Spectrometry (GCMS)
- Mastered lab skills including Thin-Layer Chromatography (TLC) and Column Chromatography
- Critically reviewed several research papers and developed modified experimental procedures.

Colorado College, Colorado Springs, CO

Biochemistry Research Assistant, Mentor- Associate Professor Margaret Daugherty

June- August 2019

- Successfully transformed and grew cells with the target plasmid, purified protein using Affinity, Ion-Exchange and Size-Exclusion chromatography and characterized final products
- Mastered Lab skills including sterile techniques, bacterial transformation, buffer preparation, protein expression and purification, SDS-PAGE, Bicinchoninic acid (BCA) Assay and Protein Activity Assay

Community Service - Ronald McDonald House, Colorado Springs, CO

House Volunteer

July 2018- January 2020

- Cleaned and prepared rooms for guests,
- Vacuumed the house, watered the garden and performed any remaining activities on the daily and evening checklist

Special Skills: MestreNova, Spartan, WebMO, Gaussian, MS Word, MS Excel, MS PowerPoint and Mathematica