

Curriculum Vitae

Kasmir Perriman

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Residence: Fort Collins CO

Education:

Colorado State University

Fort Collins Colorado

Bachelor of Science in Chemistry

Major GPA: 3.44 / 4

Cumulative GPA: 3.387 / 4

Relevant Coursework:

Chemistry

- Physical Chemistry I & II
- Inorganic Chemistry I & II
- Organic Chemistry I & II
- Analytical Chemistry
- Instrumental Analysis
- Biochemistry
- General Chemistry I & II

Mathematics

- Multivariable Calculus
- Probability and Distributions of Random Variables
- Ordinary Differential Equations
- Linear Algebra I

Miscellaneous

- Calculus Based Physics I & II
- Public Speaking

Laboratory Experience

- X-ray Diffraction
- NMR Spectroscopy
- UV-Vis Spectroscopy
- Liquid Chromatography
- IR Spectroscopy
- Potentiometric Analysis
- Solid-State Synthesis Techniques
- Air Free Synthesis Techniques
- Organic Synthesis Techniques
- Titration
- Gravimetric Analysis

Professional Experience

Neilson Group

(Aug. 2020 – Dec. 2020)

- Research in the development of novel synthesis and doping techniques of perovskite semiconductors for application in solar energy industry
- Performed air free solid-state synthesis of perovskite semiconductors
- Performed powder X-ray diffraction on all products and precursors to determine identity and purity
- Elementary glassware fabrication, namely test-tube formation from cylindrical stock and air free sealing

Front Range Community College

(Jan. 2019 – May 2020)

- Tutored introductory algebra, college algebra, trigonometry, calculus, and multivariable calculus on a drop-in basis
- Served as a TA for college algebra for one semester. Duties included showing solutions to in-class examples, introducing topics before lecture, answering student questions in class, as well as planning and hosting guided study sessions outside of class time

The Home Depot

(August 2019 – Present)

- Worked concurrently with school for 4 years
- Exposure to heavy machinery and warehouse operations
- Fortified an attitude focused on safety, teamwork, and productivity

Professional Interest

To apply the principles of chemistry to benefit the global community.