

## Karl Colman

karl.colman@lawrence.edu

920-832-0000

linkedin.com/karlcolman

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### EDUCATION:

Lawrence University, Appleton, WI

Bachelor of Arts, June 2024

Majors: **Physics & Mathematics**, GPA: 3.4

### RELATED COURSES:

Classical Physics

Computational Mechanics

Calculus III

Modern Physics

Electronics and Magnetism

### LABORATORY EXPERIENCE:

Kinematics and Dynamics

Electricity and Magnetism

Optics

### SKILLS:

#### Analytical/Problem Solving

- Worked with classical theories of physics including those related to electricity and magnetism
- Studied applications and implications of classical physics laws
- Solved 3-D calculus based problems
- Devised electrical circuits using different combinations
- Generalized and analyzed graphs to explain behavior of particle under consideration

#### Communications

- Analyzed and compared experimental results with results published in scientific journals
- Presented research paper on effects of radiation on microorganisms in collaboration with two lab partners
- Maintained technical notebook to record all proceeding of experiments
- Tutored 6 middle school students in math and geometry during fall of 2018
- Coordinated soccer team practices and drills; motivated teammates as captain

#### Technical Skills

- Applications: Kaleidograph, Latex, Maple, IDL, Java, Power Point, MS Word, Excel

### WORK EXPERIENCE:

**Computer Lab Assistant**, Computer Laboratory, Lawrence University

September 2021 – Present

**Tutor**, VITAL Tutoring, Appleton, WI

January 2022 – Present

**Content Tutor**, Spanish Department, Lawrence University

March 2020 – Present

### ACTIVITIES:

Lawrence Soccer Team

August 2020 – Present

Lawrence Basketball Team

January 2020 – June 2021

Lawrence Debate Team

September 2020 – June 2021