

**Karl Colman**karl.colman@lawrence.edu711 E. Centre St.  
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**OBJECTIVE:** Summer research internship with a civil engineering firm where analytical and computational skills relating to physics and mathematics, combined with solid communication skills would be an asset

**EDUCATION:** Lawrence University, Appleton, WI  
Bachelor of Arts, June 2011  
Majors: Physics & Mathematics  
GPA: 3.4

**RELATED COURSES:** Classical Physics                      Modern Physics  
Computational Mechanics                      Electronics and Magnetism  
Calculus III

**LABORATORY EXPERIENCE:** Kinematics and Dynamics                      Electricity and Magnetism  
Optics

**SKILLS:****Analytical/Problem Solving**

- Familiar 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 of diodes and switches
- 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 proceedings of experiments carried out
- Tutored in middle school during fall of 2008
- Organized soccer team as captain of team

**Technical Skills**

- Applications: Kaleidograph, Latex, Maple, IDL, Java, Power Point, Ms Word, Excel.
- Operating Systems: Windows 2000/NT, Mac OS, Linux.

**ACTIVITIES:**

Member, Soccer team (2008 – Present)  
Member, Basketball team (2007 – 2008)  
Member, Debate team (2006 – 2007)