



**Bill Kolodzey** (billkolodzey.com)

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## EDUCATION

- Doctor of Philosophy**, Computer Engineering **2020**  
Clemson University (Clemson, SC)  
Department of Electrical and Computer Engineering  
Concentration: Intelligent Systems  
Dissertation: *Flexible Congestion Management for Error Reduction in Wireless Sensor Networks*
- Bachelor of Science in Engineering**, Engineering Physics **2009**  
University of Michigan (Ann Arbor, MI)  
Department of Nuclear Engineering & Radiological Sciences  
Concentration: Atmospheric Science

## EXPERIENCE

- Clemson University, Department of Electrical and Computer Engineering  
*Lecturer* (full teaching responsibilities) **2014–2019**
  - Basic Electrical Engineering (ECE 2070; 40-170 students), Programming and Problem Solving (ENGR 1410)
- Research Assistant* (with Haiying Shen) **2016**
  - Simulated Wireless Sensor Networks and Automobile Wireless-Charging Economy
- Lab Instructor* **2011–2016**
  - Logic and Computing Devices Lab (ECE 209), Electrical Engineering Laboratory I (ECE 211,309), Electrical Engineering Laboratory II (ECE 212), Creative Inquiry: Freshman Robotics Project (ENGR 1900)
- Teaching Assistant/Grader* **2010–2014**
  - Electric Circuits I (ECE 2020), Honors Electrical Engineering (ECE 262), Linear Control Systems (ECE 4090), Fundamentals of Wind Power (ECE 457)
- National Oceanic and Atmospheric Administration, Boulder, CO  
*Research Assistant* (Hollings Scholarship Internship) **2008**
  - Led a survey to sample the air in dozens of locations around the Front Range in Colorado
  - Helped develop software in Excel and Perl to analyze air samples for ozone-depleting gasses
  - Supervisor: Stephen Montzka

## SKILLS

Programming: MATLAB, Python, C/C++, JavaScript, HTML/CSS  
Software: LaTeX, Excel

## AWARDS AND ACTIVITIES

*Award for Service to Clemson University and the State of South Carolina*, Emagine youth outreach, 2014.  
*Judge*, middle school robotics competition at Spartanburg Day School, Spartanburg, SC, 2012.  
*National Individual Men's Epee Champion*, Collegiate Club Fencing, 2012.  
*Individual Men's Epee Champion*, South Atlantic Conference, 2011.  
*Webmaster*, Clemson Fencing Club, 2010-2011.  
*Epee Captain*, University of Michigan Fencing Club, 2007–2009.  
*Webmaster*, University of Michigan Fencing Club, 2008–2009.  
*Secretary*, elected, University of Michigan Fencing Club, 2008-2009.  
*Eagle Scout Rank*, Boy Scouts of America, 2005.