**Bryan W. Weber**

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| **Education** | **Case Western Reserve University,** Cleveland, Ohio  Bachelor of Science, Aerospace Engineering  Graduated *cum laude*, May 2009  Cumulative GPA: 3.73 |
| **Employment and Coursework** | **Summer Internship, Summer 2007**  **Combustion Diagnostics Laboratory**, CWRU, Cleveland, Ohio   * Catalytic Hydrogen Ignition project funded by NIST   + Designed, constructed and calibrated flow control system   + Designed and constructed a customized translation stage for hydrogen-air burner   + Constructed a customized exhaust hood for hydrogen-air burner   **Mechanical Engineering Lab, Senior Project and Master’s Thesis**  **(Ongoing)**  **Combustion Diagnostics Laboratory**, CWRU, Cleveland, Ohio   * Work partially supported by Summer Undergraduate Research in Energy Sciences grant from CWRU, Summer 2008 * Analysis of Hydrocarbon Ignition in a Rapid Compression Machine using Gas Chromatography with Mass Spectrometry and Flame Ionization Detection   + Constructed gas sampling probe and control system   + Tested sampling probe on methane flames   + Characterized the composition of unburned conventional and synthetic jet fuels (Jet-A, JP-8 and S-8)   + Designed and constructed circuit to control sample timing on a sampling apparatus for the Rapid Compression Machine   + Characterizing the composition of jet fuels and surrogates as they ignite |
| **Leadership Experience** | **Ultimate Frisbee Club**, CWRU, Cleveland, Ohio  *President,* May 2008-December 2008; *Treasurer,* May 2007-May 2008; *Secretary and Webmaster*, May 2006-May 2007; *Member*, August 2005-May 2009   * Assisted in organizing and conducting North Coast Ultimate Frisbee tournament for 22 teams, October 2006, 2007 and 2008 * Won Sports Club of the Year, April 2007 * Managed team budget with more than $10,000 in annual revenue and expenses * Coordinated week-long team trip to Jekyll Island, GA for High Tide Tournament in March 2009 |
| **Additional Skills** | **Computer**  Windows XP, SolidWorks, Microsoft Word, Excel and PowerPoint MatLab |