**Bryan W. Weber**

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| **Objective** | Seeking summer funding which will use skills I developed working for the Combustion Diagnostics Laboratory at Case Western Reserve University. |
| **Education** | **Case Western Reserve University,** Cleveland, Ohio  Bachelor of Science, Aerospace Engineering  Planned Graduation: May 2009  Current GPA: 3.75 |
| **Relevant Employment** | **Combustion Diagnostics Lab**, Case Western, Cleveland, Ohio  *Lab Assistant,* May 2007-Present   * Worked on Hydrogen combustion project funded by NIST (May-December 2007)   + Designed, constructed and calibrated flow control system   + Designed and constructed customized translation stage for hydrogen-air burner   + Constructed customized exhaust hood for hydrogen-air burner * Working on Hydrocarbon Flame Analysis using RCM/RSA and GC/MS-FID   + Characterized the composition of raw Jet-A, JP-8 and S-8 using GCMS |
| **Related Coursework** | **Mechanical Engineering Lab 2,** EMAE 283, Spring 2008   * Worked on project titled “Investigation of Jet Fuel Surrogates using Probe Sampling and GC/MS”   + Constructed gas sampling probe and control system   + Tested Methane flame for composition using GC/MS system |
| **Other Coursework** | Mechanical Manufacturing (EMAE 172), Fluid and Thermal Engineering II (EMAE 325), Design of Fluid and Thermal Elements (EMAE 355), Aero and Gas Dynamics (EMAE 359), Propulsion (EMAE 382), Aerophysics (EMAE 403), Advanced Fluid Dynamics I (EMAE 453) |
| **Activities and Leadership Experience** | **Ultimate Frisbee Club**, Case Western, Cleveland, Ohio  *President,* May 2008-December 2008; *Treasurer,* May 2007-May 2008; *Secretary and Webmaster*, May 2006-May 2007; *Member*, August 2005-Present   * Managing team budget with more than $7900 in annual revenue and expenses * Coordinating club activities with the Case Western Athletic Department * Won Sports Club of the Year, April 2007 |
| **Additional Skills** | **Computer:** SolidWorks, Microsoft Word, Microsoft Excel, MatLab |