

**Samantha Hurley**

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Goal: Seeking employment in Mechanical, Aerospace, and/or Astronautical engineering.

❖ **Education:**

- The George Washington University – School of Engineering and Applied Science 2008-2012  
BS in Mechanical and Aerospace Engineering with a minor in Physics
- The George Washington University – School of Engineering and Applied Science 2012-2013  
Seeking a MS in Mechanical Engineering with a discipline in Aerospace

❖ **Skills:**

- Proficient in AUTOCAD, Pro Engineer, LabVIEW, MATLAB, and LaTeX
- Familiar with Fortran 50
- Excellent understanding of circuits, machining (lathes, lasers, welding, saws, etc), manufacturing, orbital mechanics, fluid dynamics, applied physics, and thermodynamics

❖ **Work Experience:**

- The GW Hippodrome (bowling and billiards) – Washington, DC August 2008 – 2011

○ Cashier, Mechanic, Jr. Manager

- Maintained and repaired bowling lanes.
- Oversaw the billiards room and equipment.
- Responsible for managing planned functions for up to 300 people.
- Supervised students working as well as using the Hippodrome facilities.

- Buehler Challenger and Science Center – Paramus, NJ, Bergen Community College

May 2007 – August 2007, May 2008 – August 2008

○ Volunteer Camp Counselor and Jr. Commander

- Aided campers in space exploration simulations.
- Provided engineering instruction for projects.
- Counseled children aged 7-17.

- Princeton Satellite Systems – Plainsboro, NJ June 2011-August 2011

○ Intern

- Designed a nuclear fusion propulsion engine for a spacecraft using MATLAB.
- Aided in writing a technical paper in LaTeX.

- Smart Systems Laboratory – The George Washington University September 2011-Present

○ Laboratory Assistant

- Building a wind tunnel test section.
- Designing, constructing, and testing an airfoil with a moveable trailing edge flap.

❖ **Extracurricular Activities:**

- Theta Tau Professional Engineering Fraternity – GWU Gamma Beta
- Society of Women Engineers (SWE) – GWU Former Chapter Vice President
- American Society of Mechanical Engineers (ASME) – GWU Former Chapter President
- American Institute of Aeronautics and Astronautics (AIAA) – GWU Former Chapter President
- Studied abroad at University College Dublin (UCD) in Dublin, Ireland, Spring 2010
- Girl Scouts of the USA 1994-2008
- Habitat for Humanity 2004-2008
- Space Camp – Advanced Space Academy and Aviation Challenge at the US Space and Rocket Centre in Huntsville, Alabama

