

Résumé  
**Mark Elton**

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**Education:**

Georgia Institute of Technology – Atlanta, Georgia  
Third year in pursuit of a PhD in mechanical engineering with an emphasis in hydraulic controls. 3.80 GPA. Fall 2009 – present  
Awarded a Master's of Science in mechanical engineering, May 2009  
California Polytechnic State University – San Luis Obispo, California  
Graduated *cum laude* with a bachelors degree in physics in June 2006

**Work Experience:**

Georgia Institute of Technology, Atlanta, Georgia  
Graduate Research Assistant for Dr. Wayne Book (August 2006 – present)  
Developing a haptic controller for a pump-controlled excavator  
Trinity School, Atlanta, Georgia  
Instructor of an after school robotics program (Aug 2010 – present)  
Coach of the school's First Lego League competition team  
California Polytechnic State Physics Department, San Luis Obispo, California  
Research Assistant for Dr. John Sharpe (April 2006 – August 2006)

**Experience/Skills:**

Fluent in Microsoft Office, SolidWorks, Matlab, Simulink, and Mathematica  
Able to program in C++, Pascal, HTML, and Assembly  
Well versed in common lab tools and hand tools, as well as machining experience

**Honors and Activities:**

Inaugural President of the Student Leadership Council of the NSF sponsored Engineering Research Center for Compact and Efficient Fluid Power (CCEFP) 2006-2007  
Industry Liaison for the Student Leadership Council of the CCEFP (acted as an interface between the students and the industry sponsors) 2007-2010  
Representative for Georgia Tech on the Student Leadership Council, 2006-present  
Finalist in the SAIC Research Paper Contest (2011)  
Communications Officer for How Stuff Works (an engineering outreach program in local elementary schools) 2008-2009  
Member of Phi Kappa Phi National Collegiate Honor Society  
Missionary for the Church of Jesus Christ of Latter-Day Saints in Norway 2002-2004  
Teacher and leader in the same church, 2005 - present  
Member of Theta Tau Engineering Fraternity, initiated May 2000

**References:**

Provided on request