

# BAILEY ANDERSON YIN

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## Education

- **Masters of Science, Mechanical Engineering, *Dynamic Systems and Control***  
The University of Texas at Austin  
Supervisor: Dr. S. V. Sreenivasan  
Overall GPA: 3.92 / 4.00  
Degree conferred: August 2010
- **Bachelor of Science, Mechanical Engineering**  
The University of Texas at Austin  
Overall GPA: 3.44 / 4.00  
Degree conferred: May 2007

## Skills

- **Computer Languages/Programs:**
  - Proficient in C, C++, Matlab, and Office Suite
  - Experienced with Java, AutoCAD, SolidWorks, and LabView
  - Familiar with Pascal and L<sup>A</sup>T<sub>E</sub>X
- **Wood and Metal Machine Shop Experience:** MIG welder, power hammer, and forge

## Experience

- **Graduate Research Assistant, Department of Mechanical Engineering at The University of Texas at Austin (10/2008 – Present)**  
Researching ways to multiply the through-put of the imprint lithography process by imprinting and exposing multiple fields.
- **Teaching Assistant, Department of Mechanical Engineering at The University of Texas at Austin (10/2007 – 8/2010)**  
Four semesters of ME 218 - Computational Methods.  
Three semesters of ME 324 - Dynamics.  
One semester of ME 266K - Senior Design Project
- **Undergraduate Research Assistant, Department of Mechanical Engineering at The University of Texas at Austin (10/2006 – 10/2007)**  
Worked on TraumaPod for DARPA with Dr. Chetan Kapoor and Dr. Mitch Pryor. Modeled robots using DH parameters and SolidWorks.
- **Undergraduate Research Assistant, Department of Mechanical Engineering at The University of Texas at Austin (07/2006 – 09/2006)**  
Designed and implemented a new mechatronics lab for sophomores and juniors with Dr. Glenn Masada
- **Blacksmith/Shop Assistant, Lars Stanley Architects and Artisans (05/2003 – 08/2003)**  
Assisted other blacksmiths with making fencing, gates, and chandeliers. Learned to use various shop tools including grinders, a MIG welder, and a power hammer

## Achievements and Activities

- Member of American Society of Mechanical Engineers (ASME) (10/2002 – Present)
- Volunteered for Women in Engineering Program's - Introduce a Girl to Engineering Day (2/2009)
- Refereed for Central Texas F.I.R.S.T. Lego League Regional (FLL) (11/2008)
- **Exchange Student with the American Field Service (10/1999 – 10/2000)**  
Attended school at Istituto Tecnico Statale Commerciale "G. Parini," Lecco, Italy. Was conversationally fluent in Italian