

# Taylor Cladny

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## EMPLOYMENT

**Ascent Design, Inc.** – Mechanical Engineer May 2013 – Present

- Contract for mechanical engineering product development
- Led production of flight hardware instruments
- Extensive use of SolidWorks for part and assembly creation, including engineering drawings

**University of Colorado** – Teaching Assistant, System Dynamics August 2012 – December 2012

- Graded assignments (homework, workshops, labs)
- Tutored students individually and facilitated the learning process
- Offered constructive assistance during labs

**Lockheed Martin** – Intern (Systems Engineer) May 2011 – August 2011

- Tested software build for functionality
- Assembled rack equipment
- Drafted interconnect diagrams
- Wrote a section in the official software development plan
- Obtained and held a Secret level security clearance

**Ball Aerospace** – Data Clerk December 2010 – April 2011

- Assisted on-site analysts with various logistical aspects of the data
- Processed data dumps from the testing lab using Linux's basic command window
- Coordinated with 5 other data clerks for accuracy and precision

**Home Depot** – Cashier May 2009 – July 2009

- Scanned items for checkout
- Made small talk
- Helped customers solve basic engineering related issues

**On Site Systems** – Laborer June 2008 - August 2008

- Physical labor (built fences, spread fertilizer, removed trees)
- Surveyed plots of land
- Operated heavy machinery
- Built/installed a septic system for a moderately sized house

## EDUCATION

- Bachelor of Science in Mechanical Engineering from the University of Colorado at Boulder class of 2013
- Graduated from Mullen High School in 2008

## MAJOR ACHIEVEMENTS

- Senior design team awarded 3<sup>rd</sup> place (out of 26) at the Senior Design Expo for our work on the Orion Star Tracker Cover commissioned by Lockheed Martin
- Tested out of Calculus I by getting a 5 on the AP test

## TRAINING

- Proficient in mathematical modeling programs such as LabView, SolidWorks, MatLab, Excel/VBA, Mathcad, and Mathematica
- Proficient in machine shop fabrication and testing equipment including but not limited to the dual axis mill, lathe, laser cutter, band saw, grinder, and uniaxial tension and compression testing machine.