

# CODY C. RACE

Engineer Intern with a combined 3 years of experience in the private and public sector. I am interested in the development and design of new and innovative ways for the use of nuclear power, especially for use in space and propulsion technology.

- Engineer Intern
- Project Management
- Proficient in CAD (SolidWorks/AutoCAD)
- Motivated Self Learner / Starter
- Good Verbal / Written Communication
- Dean's List (2014-2016)
- Proficient in Microsoft Office
- Team Player

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## Work Experience

- **05/2015 – Present (1360 hours)**  
**Energy Engineering Intern**  
*J. R. Simplot Company*  
Built energy regression models for 10 Agribusiness sites, which included collection and analytics of the data. Involved in steam, boiler and compressed air assessments for industrial work.  
Key Contributions
  - **Incentives**, applied for energy incentives for multiple states.
  - **Payback**, found ways to save energy and money which was able to pay for my position 4 fold.
- **12/2015 – 05/2016 (321 hours)**  
**Robotics Senior Design Intern**  
*Idaho National Laboratory (INL)*  
Team leader of an autonomous robotics project for use in a nuclear hot cell environment. Design based on the integration of kinematics, electronics, optics and radiation analysis.  
Key Contributions
  - **Project Management**, communicated ideas and thoughts to site mentors, scheduled meetings and assured milestones were met by the team.
  - **Radiation Effects**, worked on determining radiation effects on the vision systems.
- **06/2007 – 12/2014 (2420 hours)**  
**Intern Engineering**  
*City of Twin Falls*  
Entered historical data into computer database, created maintenance maps for public works and worked on standard drawings in CAD.  
Key Contributions
  - **Project Management**, lead small seal coat projects for multiple years.
  - **Inspector**, observed construction crews during projects to ensure they were done correctly.

## Education

- **08/2011 – 05/2016**  
**B.S. in Mechanical Engineering**  
**B.S. in Nuclear Engineering**  
Idaho State University's College of Science and Engineering  
GPA: 3.37

## Achievements and Associations

- Idaho Distinguished Student (2011)  
Idaho Science and Aerospace Scholar (2011)  
State FFA Degree Recipient (2011)
- Idaho Nuclear Society, *Member* (Since 2014)  
American Nuclear Society, *Member* (Since 2014)

## Community Outreach

- FIRST Lego League, *Volunteer Judge* (2014)  
FIRST Tech Challenge, *Volunteer Judge* (2014)  
Haywire Robotics Team, *Mentor* (2015 – Present)

## Training

- Lean Six – Sigma (Day Training)

## Computer Skills & Relevant Course Work

- SolidWorks
- Matlab
- Microsoft Office
  - Access
  - Word
  - PowerPoint
  - Excel
- AutoCAD
  - Civil 3D
  - Inventor
- Maple 17, 18
- Compressible Fluids
- Reactor Physics
- Fuel Cycles
- Energy Systems
- Heat Transfer
- Thermodynamics
- Machine Design