

Matthew Rothfuss

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📁 EXPERIENCE

Land Pride

Routing Person

📍 Salina, KS

November 2016 - Present

- Determine Fabrication and Welding standards, from research and analytics, for manufacturing processes and cost analysis
- Maintain cycle time and material usage calculations
- ProE/Creo, AutoCAD, IBM System i, Python, L^AT_EX, and Microsoft Office experience

Kansas State University

Assistant Scientist - Animal Science and Industry

📍 Manhattan, KS

June 2014 - May 2015

- Designed and created a bench-top Plate Heat Exchanger (bPHE)
- Restored a supercritical fluid extraction (SFE) system
- Developed an in house Ultrasonic Flaw Detector. Included fabrication, LabVIEW programming, and GUI development.

Research Assistant - Physics Department

August 2011 - May 2012

- Created a LabVIEW diagnostics monitoring program for the High Intensity Tunable Source ([HITS](#)).
- Duties included creating small electronics, LabVIEW coding, and general assistance with HITS research.

Research Assistant - Physics Department

October 2010 - May 2011

- Upgraded Kansas Light Source ([KLS](#)) LabVIEW diagnostics monitoring program.
- Additional duties included beam path maintenance, assisting in data collection and analysis, and creating LabVIEW code for Lab optimization and research purposes.

Land Pride

Assembly Line Worker

📍 Abilene, KS

August 2008 - August 2009

May - August (2011 & 2010)

- Memorized assembly of products, optimized stations for efficiency, and worked with pneumatic tools
- Maintained a high standard for quality, and trained station workers

🎓 EDUCATION

Kansas State University

B.S. Degree in Physics - College of Arts and Sciences

📍 Manhattan, KS

May 2016

☑ SKILLS

- *Programming Languages:* **Python**, LabVIEW, L^AT_EX, Matlab, JavaScript, Shell
- *Databases:* SQL, **IBM System i**, Sqlite, Microsoft Access
- *Design:* Photoshop, GIMP
- *Platforms:* **Linux**, Windows

♥ HONORS AND AWARDS

James A. Branson Memorial Scholarship	2011
National Honors Society	2007
Louis Armstrong Jazz Award	2007
Kansas Scholars Curriculum	2007
Eagle Scout	2005