

Seth Purkey

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KEY SKILLS AND KNOWLEDGE AREAS

- Solid understanding of engineering machinery and technologies
- Strong user with computer software's
- Firm knowledge of the Engineering Design Process
- Strong team collaboration and always work to achieve a goal in an efficient and timely manner
- Shop certified in the CSU MECH Shop and Wolf Robotics

EDUCATION:

Colorado State University: *Graduation: May, 2017: Mechanical Engineering:* Senior, GPA 2.6

- Completed courses: Statics, Dynamics, Mechanics of Materials, Fluid Mechanics, Machine Design, Thermodynamics, Heat & Mass Transfer, Mechatronics, 3D Modeling & Design, Mechatronics

Evergreen High School: *May, 2012: High school Diploma:* GPA 3.7

- Acquired three Varsity letters in both, Baseball and Tennis

EXPERIENCE:

Wolf Robotics. 4600 Innovation Dr. Ft Collins, CO. ***IT / Assembly Technician Intern / Application Engineer*** 03/15 – Current

- Installation and setup of enterprise level software such as Microsoft Exchange, AutoDesk's AutoCAD Electrical and Mechanical, Inventor, SolidWorks, Creo, Robot Studio
- Computer networking, routing and other IT infrastructure technologies
- Built, fixed, and configured computer systems for end users
- Machined and Assembled a variety of robotic system cells. Required the use of mills, presses and all shop tools. Following the assembly prints and dimensions were critical
- Wired control cabinets. Well versed in reading wiring diagrams
- Created positioners, fixtures and parts for customers: requiring the use of CAD modeling including Solidworks / Creo Parametric
- Constructed weld paths and simulations for customers to virtually see their potential robotic systems with the use of Robot Studio

Matador Mexican Grill. 1823 Harmony Road, Ft Collins, CO. ***Server/Cook/Cashier*** 04/14 – 03/15

- Management of POS system, food prep, inventory of supplies and food, and server
- Learned to be fast paced and diligent with my work. Efficiency was key
- Quickly gained a good reputation through hard work, personality, and customer service

TECHNICAL SKILLS AND EXTRA

- Proficient in:
 - Creo Parametric, Solidworks, ANSYS, Matlab, MathCad, LabView, Linkages, MS excel
- Looking to build upon my knowledge of all fields! The more you know, the bigger asset you become
- References and other work experience available upon request