**TYLER R. BURNETT**

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**PROFESSIONAL SUMMARY**

Dedicated, curious, and meticulous worker with leadership experience and ability to work with others in collaborative settings/environments. Motivated with a keen attention-to-detail, capable of completing difficult and diverse projects, with a proven track record of successfully accomplishing multiple varied work positions with integrity. Authorized to work in the United States for any employer.

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| * Team Leadership | * Project Management | * Cashier Experience |
| * Inventory Stewardship | * Goal/task Oriented | * Community Volunteer |

**CAREER INTERESTS**

Mechanical Engineering, Design and Simulation of Thermal Systems, HVAC, Building Information Modeling, Heat Recovery Systems, Energy Modeling, Waste Heat Recovery, Renewable Energy Design, Aerospace Engineering

**PROFESSIONAL EXPERIENCE**

**MAINTENANCE/LANDSCAPING - James Irwin Charter Schools, Colorado Springs, CO 2015 - 2016**

* Co-led James Irwin Elementary School playground project worth $11.5K, ensuring the safety and supporting the health of over 400 children.
* Assisted in constructing the James Irwin Middle/High School Octo-Ball court worth over $5K, enabling over 800 students to enjoy physical competition and fitness.
* Accomplished various maintenance projects for two James Irwin campuses, to include landscaping, mowing, and minor tool repair, providing pleasant aesthetics/safe environments for over 1200 students/staff.

**MCDONALD’S CREW MEMBER - Colorado Springs, CO 2013 - 2014**

* Cashier experience in a fast-paced environment, providing friendly and expedient customer service.
* Performed multiple janitorial/general activities, including sweeping, mopping, and stock refills.

**LIBRARY VOLUNTEER - Peterson Air Force Base Library, CO 2011 - 2015**

* Completed inventories of several thousand books and numerous multimedia assets, allowing proper accounting of government resources and ensuring availability of learning tools.
* Organized shelves, restocked books, and provided superior assistance to military and civilian customers.
* Sorted, documented, and labeled through 800 different magazines, journals, and trade publications
* Employed the use of Microsoft Excel to categorize and log thousands of books, DVDs, and encyclopedias

**EDUCATION/CERTIFICATIONS**

B.S., Mechanical Engineering, Colorado School of Mines (Golden, CO), Graduated May 2018

Validation: <http://diplomas.mines.edu/cediploma-validation> (CeDiD : 1899-F30C-T9T8)

Engineering Intern Certification, State of Colorado, Completed June 2018

James Irwin Charter High School (Colorado Springs, CO), Graduated May 2014

**PROJECTS**

* Conducted an exergy analysis of the SpaceX Raptor Engine using Engineering Equation Solver Software (EES) to determine the most efficient fuel, and working in a six person team for Thermodynamics II (a Colorado School of Mines advanced engineering sciences program)
* Developed an engineering solution towards waste water in artisan workshops for a client associated with the Colorado School of Mines capstone course, requiring knowledge of environmental and mechanical engineering principles, and collaboration with five other senior year engineering students under a $15,000 budget.

**SKILLS**

Mathcad (2 years), Matlab (3 years), SolidWorks (4 years), Solidworks FEA (2 years), Video Editing (6 years), Photoshop (7 years), Excel (5 years), Spanish (9 years), EES (2 years), Productivity Training (2 Years), Technical Writing (4 Years)