ASHLEY ERFFMEYER

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Portfolio: https://ashleyerffmeyer.github.io/ | **GitHub:** https://github.com/ashleyerffmeyer
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SUMMARY

Detail-oriented, organized, and creative engineer looking for Software Engineering & Development opportunities to make unique experiences and products for users. Over 9 years of program management and Six Sigma experience, including an MS in Engineering Management. Spearheaded lean efforts to reduce manufacturing cycle time and increase efficiency, resulting in $682K cost savings. Proficient in translating high level customer vision and requirements to large project teams. Passionate about continuous improvement, persistent learning, and customer experiences.

EDUCATION

University of Kansas – Professional & Continuing Education, Overland Park, KS
Full Stack Flex Web Development Certification, Present

Rose-Hulman Institute of Technology, Terre Haute, IN
Master of Science, Engineering Management, May 2010
Bachelor of Science, Mechanical Engineering, Cum Laude, History Minor, May 2008

CERTIFICATIONS/CERTIFICATES

Honeywell Six Sigma Lean Expert, February 2016
Honeywell Six Sigma Green Belt/ Design for Six Sigma, February 2012

TECHNICAL SKILLS

Languages: JavaScript, jQuery, CSS, HTML
Databases: Firebase
Tools: JSON, AJAX, APIs, Bootstrap, GitHub, Git

PROJECTS

Trips with Friends - Deployed Site | GitHub Repo
- Travel web application that calculates gas used on trip route, MPG, and average cost of a gallon of gas then divides cost of gas among travelers
- Leverages user input validation, Google Maps, fuelconomy.gov, & eia.gov APIs, and a XML to JSON converter
- Tools: JavaScript, jQuery, APIs, AJAX, JSON, Bootstrap, Materialize, CSS, HTML

GIFtastic TV Web Application - Deployed Site | GitHub Repo
- Mobile-responsive TV show themed search web application powered by JavaScript and jQuery
- Allows users to search for TV show GIFs from a predetermined list, add their own search buttons, and make an updated search with the GIPHY API, AJAX, and JSON objects
- Tools: JavaScript, jQuery, OMDB RESTful API, AJAX, JSON, Bootstrap, CSS, HTML

Trivia Quiz Game - Deployed Site | GitHub Repo
- jQuery and JavaScript powered mobile-responsive 30 Rock TV show themed quiz game
- Cycles through quiz questions defined as objects in JavaScript logic and displays countdown clocks
- HTML updates with correct answers, GIFs & images, and new questions
- Tools: JavaScript, jQuery, Bootstrap, CSS, HTML

ENGINEERING EXPERIENCE

Honeywell Federal Manufacturing & Technologies, Kansas City, MO
Deputy Program Manager, April 2018 – April 2019
- Developed $2.5B Weapon Development Cost Report for new system using scrum-like management techniques
- Communicated scope, cost, and schedule updates to executive and senior leadership using visual data comparisons
- Translated high level program vision and requirements of Federal Program Manager to 40+ project teams in Kansas City

Senior Mechanical Engineer, April 2017 – April 2018
- Served as production agency detailee at office of new system Federal Program Manager in Albuquerque
- Developed program controls plan content for scheduling, budgeting, and accounting
- Identified 60 key schedule handoff milestones for system level schedule across 8 national sites
- Created visual Program Integration Health scorecard to track technical and programmatic deliverables

Mechanical Engineer III, September 2014 – April 2017
- Competitively selected for premier Sandia National Labs-New Mexico leadership development program
- Researched and presented topics such as design, components, and systems engineering
- Led lean efforts to reduce manufacturing cycle time and increase efficiency, resulting in $682K cost savings

Mechanical Engineer II, September 2012- September 2014
- Project lead for $1.5 million/year miniature electromechanical product line
- Presented clear and concise technical updates to Sandia National Labs and Honeywell senior management
- Managed and troubleshooted top level mechanism environmental and destructive acceptance testing
- Designed tool and gages with mistake proofing principles in SolidWorks to eliminate damage to a ceramic assembly and reduce scrap by $250K for remainder of production; prototyped quick turn tool and gages with MakerBot

Mechanical Engineer I, April 2011 – September 2012
- Led drawing reviews with vendors for quality, conformance, manufacturability, and schedule accuracy
- Represented new hires in department strategic planning sessions; developed mission and vision statements

ACTIVITIES
- Kansas City Women in Technology Coding and Cocktails mentor & participant
- Rose-Hulman Honeywell recruitment team, Diversity Lead
- KC STEM Alliance Girls App Camp Judge