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

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, MySQL, Sequelize, MongoDB, Mongoose
Tools: Node.js, Express, 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 gas cost among travelers
- Leverages user input validation, Google Maps, fuelconomy.gov & eia.gov APIs, and 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, GIPHY 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 agile-like management techniques of schedule critical path
- Communicated scope, cost, and schedule updates to executive and senior leadership using visual data
- Translated high level program vision and requirements of Federal Program Manager to 40+ project teams

Senior Mechanical Engineer, April 2017 – April 2018
- Served as production agency detailee at Albuquerque Federal Program Office
- 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 monthly 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 weapon 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
- Designed tool and gages in SolidWorks; prototyped quick turn tool and gages with MakerBot
- Presented clear and concise technical updates to Sandia National Labs and Honeywell senior management

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