KYLE GOUGH

Kyle.gough3@gmail.com · 720-987-6415 · http://goughkyle.com/

https://www.linkedin.com/in/kyle-gough-709a3754/

FULL STACK DEVELOPER

.NET Core MVC Framework	Database Management
Full Stack Web Application Design	Unit Testing
C# Fundamentals	Software Development Lifecycle
JavaScript	Agile Scrum Methodology

TECHNICAL AND PROFESSIONAL SKILLS

Front End: HTML5, JavaScript, jQuery, jQueryUI, CSS3, Responsive/Mobile Web Development, Bootstrap, ReactJS

Middle Tier: C#, .NET Core MVC, LINQ, EF, Razor Pages

Back End: ADO.NET, SQL, SQL Server

Tools: Azure Data Studio, Visual Studio, Visual Studio Code, SSMS, Git Bash

Professional Skills: Troubleshooting, Critical Thinking, Communication, Project Management, Teamwork, Pair Programming

INDEPENDENT DEVELOPMENT PROJECTS

- **Personal Site:** [Enter custom description – make sure to list technologies used]
- **StoreFront**: Created a secure application for managing product data. Application is built to simulate an online store front with a shopping cart. Administrators have the ability to manage product, category and vendor data.
- **S.A.T. Scheduling Administration Tool:** Created a secure application for managing product data. Application is built to simulate an online class scheduling system. Administrators will have the ability to manage students, courses, scheduled classes, and enrollments.

TECHNICAL TRAINING

Full Stack Coding Program, Centriq   Anticipated Graduation MM/YYYY
City, State

- .NET Core MVC Framework
- Troubleshooting & Debugging
- Source Control
- Agile/Scrum (Created Team Project)
- Website Deployment
- Pair Programming
- Code Review

EDUCATION

North Carolina State University   Graduation 12/2022
MS in Material Science and Engineering
Colorado School of Mines   Graduation 05/2013

WORK EXPERIENCE

Sr. Materials Engineer, Honeywell FM&T   09/2018 – Present
Kansas City, MO
- Lead product engineer for Light Metal Structural (Aluminum and Titanium) forgings and production SME in order to ensure forging designs are producible, serve as supplier contact, and drawing management.
- Co-lead of Casting/Forgings Commodity team to manage supplier metrics
- Manage material specifications for proper adherence to design guidelines and current industry standards.
- Drive continuous improvement opportunities to prevent non-conformances

Welding Engineer, Honeywell FM&T   05/2017-09/2018
Kansas City, MO
- Developed procedures with numerous welding/joining processes used to qualify parts
- Process adherence to Design Agency specification in order to produce conforming product.
- Asserted role as Metallography Lab Manager supervising Lab Technicians to develop workflow system optimization
- Six Sigma Green Belt Certification

Materials Engineer, DuPont   06/2013-05/2017
Orange, TX
- Provide materials science support to manufacturing units across multiple sites; diagnose and manage unit repair procedures; assist with root cause incident investigations and process hazard reviews; QA/QC of critical parts
- Provide materials expertise for mechanical integrity group to optimize inspection schedule
- Manage in-house failure analysis lab and perform failure analysis for failed components with findings reports, and provide recommendations on improvements for reliability.
- Perform materials R&D
- Project manager/coordinator to develop design packages for capital projects (<$500M)
- Co-Chair of the New Employee Network (NEN): recruiting, developing, and acclimating new hires into the SETX area and development within DuPont in order to strengthen the organization.

Senior Design: Pressure Oxidation for Extraction   Spring 2013
of Mo and Rh, Colorado School of Mines
Golden, CO
- A project for the Robinson Mine in Nevada that would allow recovery of molybdenum and rhenium in low grade ores. Compared acidic and alkaline processes. Completed process design and cost/benefit analysis with NPV and IRR. Presented at SME Annual Conference in SLC in 2013.

Associate Engineer-Intern, Arcelor Mittal   Summer 2012
Hammond, IN
- Reviewed cast house performances to measure process factors and how the EMF data relates to cast house procedure and correlated data with statistical analysis