KYLE GOUGH

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**FULL STACK DEVELOPER**

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

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| **TECHNICAL AND PROFESSIONAL SKILLS** |
| Front End: HTML5, JavaScript, jQuery, jQueryUI, CSS3, Responsive/Mobile Web Development, Bootstrap, ReactJSMiddle Tier: C#, .NET Core MVC, LINQ, EF, Razor PagesBack End: ADO.NET, SQL, SQL ServerTools: Azure Data Studio, Visual Studio, Visual Studio Code, SSMS, Git BashProfessional Skills: Troubleshooting, Critical Thinking, Communication, Project Management, Teamwork, Pair Programming |

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| **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. |

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| **TECHNICAL TRAINING** | | |
| **Full Stack Coding Program**, Centriq  City, State | | Anticipated Graduation MM/YYYY |
| * .NET Core MVC Framework * Troubleshooting & Debugging * Source Control * Agile/Scrum (Created Team Project) | * Website Deployment * Pair Programming * Code Review | |
| **EDUCATION** | | |
| **North Carolina State University**  MS in Material Science and Engineering | | Graduation 12/2022 |
| **Colorado School of Mines**  BS in Metallurgical and Materials Engineering | | Graduation 05/2013 |

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| **WORK EXPERIENCE** | |
| **Sr. Materials Engineer**, Honeywell FM&T  Kansas City, MO | 09/2018 – Present |
| * 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  Kansas City, MO | 05/2017-09/2018 |
| * 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  Orange, TX | 06/2013-05/2017 |
| * 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 of Mo and Rh**, Colorado School of Mines  Golden, CO | Spring 2013 |
| * 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  Hammond, IN | Summer 2012 |
| * Reviewed cast house performances to measure process factors and how the EMF data relates to cast house procedure and correlated data with statistical analysis | |