

Daniel H. Wile

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Portfolio: danielhwile.com

Education

East Carolina University, Greenville, NC - Remote
M.S. Computer Science

Est. Grad 2023

Clemson University, Clemson, SC
B.S. Chemical Engineering

May 2018

Professional Experience

MThree Corporate Consulting

Mthree Alumni – Front End/MERN development, Charlotte NC

August 2021 – present

- Produced Back End apps utilizing Node and Express with authentication and test-driven development.
- Utilized RESTful and GraphQL design paradigms to build stateless and stateful CRUD API backends.
- Developed efficient databases using MongoDB and GraphQL to create model relationships that minimize requests between systems.
- Designed single and multipage React Front End applications that utilize responsive design and multipurpose components to minimize repetition.

Forbo Siegling LLC.

Product Development Engineer, Charlotte, NC

May 2018 – August 2021

Responsibilities

- Champion process optimization projects by implementing design changes and utilizing data analysis to better control key production variables.
- Develop new products and processes to generate greater product value by collaborating with customers and business development to grow and meet changing needs.
- Utilize data analysis from I/O devices with python to create reports and data-visualization to present production improvement opportunities to management.
- Perform root cause analysis on product failures to determine potential improvements for new product development.
- Improve manufacturing machinery design by investigating product output and develop new procedures for enhanced performance.

Center for Advanced Engineering Fibers and Films

Research Associate, Clemson, SC

May 2016 – May 2018

- Optimized sampling process procedures to achieve more sustainable testing and improve results accuracy.
- Performed physical property testing and utilized statistical analysis to report on product quality.
- Operated lab scale compounding and extrusion machinery to create in-house specialty fiber products.
- Analyzed alternative processing techniques for quality improvement capabilities.

Skills

Software Experience With:

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| • JavaScript (Node.js Express React JQuery) | • Java, C# - Object Oriented Programming |
| • Python (Django, Pandas/Numpy, Matplotlib) | • RESTful API and GraphQL API |
| • Unit Testing (Pytest, Jest/Enzyme, Mocha/Chai) | • HTML5/CSS3 Responsive Design |
| • MongoDB/NoSQL and SQLite/SQL | • Git Version Control |

Certifications

- Lean Six Sigma Green Belt, ISO 9001:2015 Internal Auditor, PCEP Certified Entry-Level Python Programmer