

MICHAEL COLLIGAN

Software Engineer

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☎ (239) 877-2092

📍 Jacksonville, FL

🌐 [LinkedIn](#)

🌐 [Profile Site](#)

EDUCATION

Bachelor of Science
Sustainability and the Built
Environment, *Summa Cum Laude*
University of Florida

📅 August 2010 - May 2015

📍 Gainesville, FL

SKILLS

- Python (Flask, Pandas)
- JavaScript (React, jQuery)
- SQL (MS SQL Server)
- HTML5/CSS/SCSS
- C# (.NET, NUnit, Moq)
- Selenium
- Git
- Adobe XD

CERTIFICATIONS

- LEED® Green Associate™
- Adobe Certified Associate in Visual Communication using Adobe Photoshop® CS3

WORK EXPERIENCE

Software Engineer

D+R International

📅 March 2018 - current

📍 Remote

- Developing Python scripts for automating internal data analysis processes and report generation, resulting in substantial time saving for analysts and project managers and heightened data quality and reliability.
- Achieved a 97% efficiency improvement as the lead developer on an ongoing Python data pipeline project. Implemented comprehensive SQL queries to conduct data validation checks at different pipeline stages, enhancing QA/QC for the processing of over 1 million new records.
- Collaborated with three developers and product owner as a front-end developer, contributing to the end-to-end development of two websites from initial design to deployment. Used the libraries and frameworks React, jQuery, Bootstrap, and Semantic-UI-React to ensure the implementation of dynamic and user-friendly interfaces for users from over 150 different organizations.
- Developed and implemented a comprehensive test suite for a C# .NET application using NUnit and Moq with over 200 robust unit tests aimed at detecting regressions post-deployment.

Senior Technical Analyst

D+R International

📅 January 2017 - March 2018

📍 Silver Spring, MD

- Led weekly discussions with a group of 12 analysts as a review team leader, offering guidance and making decisions on nuanced situations encountered during the analysis process.
- Developed and implemented VBA scripts to streamline various data collection processes, contributing to the content of monthly reports for the client.
- Supervised two direct reports, conducted weekly meetings to offer guidance and optimize workload balance, and provided performance review information to HR.

Technical Analyst

D+R International

📅 August 2015 - January 2017

📍 Silver Spring, MD

- Reviewed and validated LED lighting performance test data to ensure accuracy and compliance with client qualification standards, contributing to the successful qualification of 17,500 new products.
- Collaborated with cross-functional team members to enhance internal Excel data analysis tools, leveraging advanced formula writing techniques to improve accuracy and efficiency for a team of 35 analysts.
- Acted as team lead for logo compliance and brand integrity, collaborating with the client and their law firm to establish and enforce usage guidelines, and communicated reporting decisions to the analyst team.