Jonathan Shircliffe

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Key Skills

C++, C#, Microsoft VBA, Javascript, HTML, CSS, MongoDB, CNC Programming, Git Environments, Adobe Suite, Office Suite, Bentley Microstation, ArcGIS, LODE Data, Magellan Design Software, IRIS Design Software, AutoCAD

Additional Skills

Leadership, Team Lead, Project Lead, Classroom Training, One on One Training, Training Manual/Document Creation, Event Organization, Manufacturing Experience, Eagle Scout

Notable Accomplishments

- Lead a project in which my team created a combination of VBA enabled Excel sheets, Javascript powered web pages, and C++ executable programs to automate a workflow process that reduced the time to task completion of a database consolidation effort by 50% which saved the company $80,000+ because the project was completed 6 months ahead of schedule.
- Created multiple C++ programs and VBA Excel sheets to assist employees with daily database manipulation tasks which reduced time to task completion of said task from multiple hours of work down to 5-10 minutes. This saved the company an estimated $20,000+ annually.
- Trained 20+ brand new designers on advanced fiber cable design which involved hands-on training, shadowing/reverse shadowing, creation of onboarding documentation, and creation of standardized quick reference documentation. During this time I had to juggle handling high priority design projects of my own as well as onboarding the new hires. Through these efforts we were able to keep up with the reconstruction work needed because of the hurricane damage to the cable network in Louisiana.

Professional Experience

Closets By Design
Consultant/Software Engineer
October 2023 - Present

- Organized their database and applied a naming standard to keep things organized going forward.
- Standardized the CNC file creation process and removed the need for the creation of custom files for each new job.
- Automated simple tasks throughout the shop and provided innovative solutions to issues that had been a recurring problem.

Spectrum/Rainbow Design Services
Data Analyst
April 2021 - June 2023
- Led a database consolidation effort to reduce the number of necessary files for our internal drafting program from 40,000+ down to 5,000.
- Automated the creation of complex mongoDB commands so that we could compile lists of replacements and mass-replace equipment in the database.
- Created tools using RegEx that would automate day to day tasks for the team when dealing with JSON files.

Rainbow Design Services
Cable Assembly Engineer III
June 2019 - April 2021
- Created onboarding material for a new process to the department which onboarded new hires as well as seasoned designers on the standards for the project.
- Trained new hires using shadowing/reverse shadowing techniques and acted as their main point of contact for their first month on the floor.
- Kept documentation on the new mid split process up to date with an ever changing environment and customer needs.

Rainbow Design Services
Desktop Surveyor II
February 2016 - June 2019
- Streamlined the workflow when our department took over the New York area.
- Created the onboarding material and kept it up to date as we kept up with the changes and requirements of the new region.

Education

ITT Technical Institute, Louisville
Bachelors in Computer Science
Associates in Graphic Design
Graduated as Summa Cum Laude