

Jonathan Shircliffe

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GitHub: github.com/Script-o

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

Adaptability, Clear Communication, Creative Thinking, Curriculum Development, Detail-Oriented, Documentation, Empathy and Patience, Instructional Skills, Leadership, Multitasking, Organizational Skills, Presentation Skills, Process Optimization, Project Coordination, Risk Management

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.

Projects

Free Code Camp Repository

<https://script-o.github.io/freeCodeCamp/>

Git, Github, HTML, CSS

- While expanding my abilities into other fields using the freecodecamp.org certificate challenges I created a custom website to host each of the practice sites as I work through them and refine the lessons in HTML and CSS by putting them into practice.

Professional Experience

Closets By Design

Consultant/Software Engineer

October 2023 - Present

- Lead an initiative to clean up and organize their database, by applying a standard naming convention and retroactively renaming/organizing old files into the new standard.
- Standardized the CNC file creation process and removed the need for the creation of custom files for each new job, by creating a template process for CNC file creation that would allow the user to specify general parameters that could be altered in future for specialty jobs.

Spectrum/Rainbow Design Services

Data Analyst

April 2021 - June 2023

- Promoted from Cable Assembly Engineer to Data Analyst because of my ability to do programming and general knowledge of database management.
- Led a database consolidation effort to reduce the number of necessary files for our internal drafting program from 40,000+ down to 5,000, by combining the talents on my team to create a process that utilized complex MongoDB queries, Javascript data conversions, Excel VBA for data consolidation, and C++ using RegEx for JSON data parsing.
- Automated the creation of complex mongoDB commands so that we could compile lists of replacements and mass-replace equipment in the database, by using the program AutoHotKey to combine otherwise complex data query statements into a more human readable format.

Rainbow Design Services

Cable Assembly Engineer III

June 2019 - April 2021

- Promoted from Desktop Surveyor to Cable Assembly Engineer because of my tenacity to learn new things and independent study with AutoCAD.
- Created onboarding material for the new node upgrade process and kept our documentation on the process up to date with an ever changing environment, by having routine meetings to discuss any customer requested alterations to the process as well as by frequently checking in with the designers to add any new QC feedback they received to the documentation.
- Trained 20+ new designers as the department was expanding to handle the influx of new work from the node upgrade project, by utilizing shadowing/reverse shadowing techniques and acting as the main point of contact for new hires for their first month on the floor.

Rainbow Design Services

Desktop Surveyor II

February 2016 - June 2019

- Streamlined workflow for 10+ employees when the New York region was acquired, by creating onboarding material and keeping it up to date as we were presented with numerous changes and requirement updates.
- Handled special projects which required me to contact clients and locate difficult to find addresses, by getting them to communicate with me local directions and translating that to a top down satellite view.

Education

Code:You

- Software Development Certificate of Completion expected 05/01/25

ITT Technical Institute, Louisville

- Bachelors in Computer Science
- Associates in Graphic Design
- Graduated as Summa Cum Laude