Ronald Rowe

Software Developer

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LinkedIn   Medium

Python | C# | .NET | HTML | CSS | MySQL | Visual Studio/Code | Windows/Linux | Git/Hub | MS Office

EXPERIENCE — SKILLS — PROJECTS — GitHub

Environmental Controller — Code — LAMP, NGINX, AJAX, PHP, JSON — **Live**

• Web Server, Backend Logic, Frontend Development, UX/UI experience plus many challenges along the way.
• Used a Raspberry Pi running a Linux distribution as a headless server to control environmental conditions.
• Python and PHP scripts accessed sensors, controlled relays, and stored/accessed sensor data in a MariaDB.
• Created a Dashboard to interact with the microcontroller, view live data, and graph data with Google Charts API.
• Created WAN access through a reverse proxy web server ssh tunnel set up on a Google Cloud Virtual Machine.

Streaming Tracker — Code — C# Windows Form — **DownLoad** — Windows .exe version

• Designed, Created, and Deployed a multi-page Windows Form app to log and track streaming video content.
• Used text documents to store user information to ensure speed while minimizing storage usage.
• Created a feature to allow up to four separate users to store their streaming content data.

Entertainment Website — Code — HTML, CSS, jQuery — **Demo**

• Contributed and offered suggestions and support during Team Meetings.
• Took the Initiative to present two ways of achieving a scrolling feature discussed in the Design Team Meeting.
• Listened to my Team about an issue that I later encountered, this helped me to debug the CSS style causing it.

EDUCATION

Google IT Automation with Python Specialization — Coursera Certificate — January 2020 – March 2020

• Created Python Automation scripts using Linux Command Line Terminal to increase Efficiency with
  Time Management in mind. Utilized Git to Pull projects and Commit/Push updates.
• Google Cloud Management / Configuration with deployed Virtual Machines.
• Tackled and traced issues with the use of debugging tools and the understanding of the logic being used.

SOWELA Technical Community College, Lake Charles, LA — Associate of Applied Science, Computer Programming
January 2013 – December 2014 — GPA: 3.9
• Gave me the excitement and fundamentals needed to grasp Software Development as a whole.
• Application Development, Web Apps, Security, Database Programming, Web Design, Computer Architecture.

INTERNSHIP

SOWELA, IT Department — Lake Charles, LA — September 2014 - December 2014

• Adapted to multiple new programming languages to add images to the faculty website. (ASP.NET, SQL)
• Researched UX/UI design aspects of Web Apps for internet and intranet pages on SharePoint Server to increase
  functionality for faculty, students, and the public.

ADDITIONAL COURSES

CS50 — Harvard University — Youtube — 2021
• Refreshing my interest with everything from arrays and binary trees to tries and so much more.

Intro to TCP/IP — Yonsei University — Coursera — 2020
• To think the Internet could have run out of IP addresses. No worries, the issue has been resolved.

Watch and Code — Practical Javascript — 2019
• Saved users ~3 seconds with the fetch feature, reloading an HTML tag instead of refreshing the whole page.