

# 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](#)

### Freelance/Consulting — 2020 - Current

- Helping local communities and entrepreneurs achieve technical success using current technologies.
- Capable of breaking down a project into smaller sections in order to gauge time requirements.
- Communicates clearly with clients to surpass expectations, meet deadlines, and solve any issues.

### Environmental Controller — [Code](#) — LAMP, NGINX, AJAX, PHP, JSON — [Live](#)

- 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.
- Web Server, Backend Logic, Frontend Development, UX/UI, and Problem Solving experience.

### 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.
- Created a feature to allow up to four separate users to store their streaming content data.
- Used text documents to store user information to ensure speed while minimizing storage usage.

### Entertainment Website — [Code](#) — HTML, CSS, jQuery — [Demo](#)

- Took the Initiative to present two ways of achieving a scrolling feature discussed in the Design Team Meeting.
- Contributed a dark theme to improve readability and supported the idea of a feedback page during 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 while considering time spent vs time saved. 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 — 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.

**Watch and Code** — Practical Javascript — 2019 — Saved users ~3 seconds with the fetch feature.