Walter Branning

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Education

Gadsden State Community College

Associates Degree
Electronics Engineering
Technologies
Oct 2001 - May 2004

During this time, produced a practical understanding along with real-world application of electrical and electronic theory. Learning about the electromagnetic principles behind AC/DC circuits, as well as the characteristics of series and parallel circuits, and how resistive, capacitive, and inductive components behave in these circuits. Also training in the function of semiconductor and solid-state electronic circuits, such as bridge rectifiers, signal amplifiers, and transistor latches, as well as digital logic circuits and integrated circuits. Additionally, becoming familiar with the visual forms of major electronic components, such as resistors, capacitors, diodes, transistors, and transformers, and was able to recognize them in both schematic representation and physical packaging. Furthermore, traingin in troubleshooting equipment with visual inspection and detailed schematics, using equipment such as volt-ohm and amp meters, oscilloscopes, digital probes, signal tracers, and frequency generators. Overall, the time at this school provided a solid and invaluable foundation in electrical and electronic theory and practical skills.

One word to summarize my potential and strengths is - Maker.
This word reflects my passion for building and creating. Being driven not only by a desire to learn but to apply and use that knowledge. Possessing a naturally curious mind that enjoys discovering the why and how things work and blessed with an ability to quickly grasp concepts and apply them. This ability and a willing eagerness to learn is my greatest strength. **Give me a challenge and I will rise to meet it.**

Some of relevant past experience has been: Python applications including both online, such as websites and API development; as well as local applications including file modification batching routines, web scraping, cleaning and parsing data dumps. Including experience developing in Windows but with more familiarity with Linux development environments and work flows; including working from within the CLI and including tools such as ssh, nano, etc, while also using several different IDEs like Visual Studio Code, along with other enviroments and tools such as Jupyter-Notebook and ipython.

Experience / Work History

Full Stack Web Developer | GutenbergPress.OddlyGeek.com
Anniston, AL

The GutenbergPress is a personal sandbox/portfolio site developed in Python, Javascript, CSS3, and HTML5 as a means to refine and reinforce my skill set, while challenging myself to learn. Putting priority on concepts such as mobile friendly responsive UI design, pleasant UX and efficient resouce usage. Notable features being: online ebook reader, browser side indexedDB database for large catalog caching, and a consideralbly sized catalog of almost 60,000 titles forcing creative solution finding to maintain efficiency

✦ Python - Flask web app with API to handle book data requests from client. Catalog data is stored server side in a SQLite database.

✦ Javascript - Vanilla JS with along with epub.js online eBook reader library, dexie.js for client side database.

✦ CSS3 - UI and UX designed with a mobile responsiveness in mind, the styles sheets are written in SASS with quickly adapable scheming in mind.

✦ HTML5 - Pages are dynamically generated using the Jinja2 templating engine, and focuses on being SEO friendly and using Schema.org compliant structured data.

Electronics Mechanic | Anniston Army Depot
Anniston, AL January 2003 – October 2021

As an Electronics Mechanic, I was regarded as a subject matter specialist and was frequently called upon to provide technical guidance and training on the testing, fabrication, and repair of difficult or complex problems or assemblies.

✦ Communicated with engineers and vendors to correct any design issues and submit ideas for improvements in future revisions.

✦ Wrote and modified circuit testing programs for DIT-MCO automated computer controlled circuit analyzers.

✦ Leveraged comprehensive technical and analytical expertise and to solve complex problems by interpreting blueprints, wiring diagrams, and schematics.

✦ Worked together with engineers and quality assurance to find best shop practices and manufacturing procedures for the assembly.