Derek Ney
Web & App / Software Developer

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About Me

I've been married for 8 years and have enjoyed every minute of it. When I'm not spending time with my wife or on the computer I'm working on a hobbie. One being a 1975 Voltswagon Transporter. Even though I enjoy new technology, there's something about diagnosing and repairing somehting without the help of modern technology. This gives me a greater appreciation for how tecnology has advanced over the years since the vehicle was developed.
 Another Hobbie I enjoy is playing the piano or one of my collection of synthesizers. I also love composing music and use DAW or Music Notation software to get my thoughts down. I've always had a passion for music and I feel like it helps redue anxiety and strengthen my mental alertness.

Work

Precision Air Management

Service, Marketing, Office • Lehi, Utah
05/2013-Current

Started in install and moved to a service tech quick. I slowly transition into doing a little of payroll, building websites, marketing, build office computers, making business card, managing business emails........ I pretty much have dabbled in everything for company. I still occasionally do things for them on my spare time.

Trinity Mission/Provo Rehab

CNA • Provo, UT
02/2010 - 05/2013

This was the most rewarding job! Being a CNA was difficult at times, but I would like to think I put a little joy in someone's life when they did not have any. I never looked at being a care giver as a job and would not trade these memories for the world. I met some of the most fascinating people with amazing life stories that you would never know by looking at them. I would like to think of the people I tended as a friend, not patient I was hired to care for. Sadly, most of my friends have passed away now and it always brings a tear to my eyes.

Skills

During school and over the years I've been exposed to different types skills. Some of them include:

- Node.js
- Json
- DBMS
- PHP
- CSS
- HTML
- JavaScript
- Python
- LC3 Assembly Language
- Bootstrap
- Adobe Photoshop
- Adobe Illustrator
- Adobe Indesign
- Adobe XD
- Google Adwords
- Cubase
- Pro-Tools
- Sibelius
- Midi
- Microsoft Excel

Education

- Web and Application Development (bachelor)
  UVU • Orem, UT

- Software Development (minor)
  UVU • Orem, UT

- Music(minor)
  UVU • Orem, UT

- Science (Associate)
  UVU • Orem, UT

- Music Media (Associate)
  Salt Lake Community Collage • Salt Lake City, UT

- Commercial Music (Bachelor never completed)
  UVU • Orem, Utah

Software Development

I decided to learn about software development becaue I've always had a fasination for taking things apart to see how they work and a passion for computers.
During my education in Software Development, I Created a sort program using the LC3 that takes basic commands like ADD and coverts them to binary. To do this program we started all the way down to the computers transistors that creates binary and a how different notations like signed magnitude, 1's Complement and 2's Complement are used to take values and convert to binary for the computer to understand. This gave me a greater appreciation for assembly languages and how much code is used to do basic functions that high-level languages use so easily. When studying high level languages , I learned about the big O notation and how to use it to find the most efficient algorithm for the task at hand. I also deeper into the different types of sorting functions by creating my own that replicate most the built-in functions on high-level languages in return gave me new ways to manipulate these build-in functions to create unique ones for the tasks presented to me. Lastly, I had the chance to do a project that converted infixed, postfix and prefixed notations using stacks and how it's easier for the machines to read pre-postfix notations over infixed. These are just a few things in Software Development I've learned over my education that I found interesting.

Web & App. Development

I decided to pick Web and Application Development as my main degree not only did, I already had experience in building websites and applications, I also had passion for design things and was more of an artistic kid growing up. My parent's ways thought it was because I was left-handed but I'm not sure if that's the real reason. During my education in Web and Application Development, I how create different UX designs by implementing all types of color schemes, typograph, alignment, ext. to effectively appeal to the type of reader the design was intended for. Another part of my Web and Application Development degree was learning languages like HTML, CSS, JavaScript and others to create fully functional websites. When creating the website either created my own framework or used ones already created like bootstrap for grid layout and Json files for functionality.