Jerrid Schilling

307-761-0189
3207 Frontier St
Cheyenne, WY 82001
jerrid.schilling@outlook.com
schillingjerrid.github.io

LANGUAGES AND TECHNOLOGIES

- C#, ASP.NET, HTML5, JavaScript, CSS3, Bootstrap, Canvas JS, Electron, Java, XML, C/C++, Python, PHP, Assembly, Verilog HDL
- PL/SQL, MS SQL, Oracle, Microsoft Access
- Microsoft Visual Studio, Microsoft Office, Toad for Oracle, Android Studio, Code Composer Studio, Xilinx ISE
- Windows, Linux, Android

EMPLOYMENT

IT/Software Engineer Intern   **Holly Frontier Corporation**   **June 2015 - Present**

Hired as an intern to develop a better way to view metrics and overall efficiency of the maintenance department within the Cheyenne Refinery plant and to work with the IT department on day to day tasks including setup of new workstations, troubleshooting equipment, and maintaining existing equipment.

- Researched different options for development of the new maintenance KPI (key performance indices) dashboard application. Selected C# and ASP.NET for the main tools to develop the dashboard with as utilizing the local network was a better option that building a desktop application as it could be accessed from any computer connected to the intranet.
- Completed a working prototype and after approval, began integrating the dashboard with the production Oracle database. Worked closely with IT site lead and the maintenance department site lead to dial in the proper data being displayed on the dashboard.
- Leveraged Bootstrap to give the dashboard a strong appearance and Canvas JS to present the data in a visually appealing way.
- Utilized Bitbucket client to host a private repository for the project and exercise basic version control during development.
- Maintain and update the application as per the requests of the maintenance department.

Floor Manager   **Ace Hardware**   **March 2014 – May 2015**

Started as a Cashier and within 5 months was promoted to Floor Manager. Gained valuable experience with teamwork and leadership. Taught employees new skills and services and learned many new technical and problem solving skills.

- Directed 4-12 employees, depending upon the shift, with daily tasks and services
- Commended for excellent communication, problem-solving, and technical skills by various team members, customers, and managers.
- Assisted guests through problem solving and providing solutions to their home projects using my technical knowledge and past experience

Electrical Engineering Intern   **Black Thunder Coal Mine; Arch Coal, Inc.**   **Summer 2013, Summer 2012**

First summer was spent developing a solar powered bus stop for equipment operators. Second summer was spent upgrading the overstock parts building and checkout system for easier use by the electricians.

- Developed a small bus stop shed that uses an array of roof-mounted solar panels to power a small heater for the winter and a few lights that are connected to a timer switch. The shed was placed on skids in order to be moved as necessary to new locations.
- Created a spreadsheet with all the spare parts electricians use on a regular basis categorized into a simple to navigate solution which aided in maintaining an accurate account of the remaining spare parts.
- Organized all of the spare parts in the overstock building so they could be located quickly and easily for minimal delay when an electrician was in a hurry.

- Maintained, repaired, and upgraded electrical systems of mining equipment like haul trucks, coal shovels, and draglines. Changed out brushes on large drive motors.

EDUCATION

Laramie, WY   **University of Wyoming**   **May 2016**

- B.S. in Computer Engineering

Senior Design Project (Spring 2016): Wi-Fi Sound System

Developed from the idea of having a single remote for all devices and a single audio system for the entire home. Created an Android application, using Java and XML in Android Studio, that could stream an audio file over a wireless local area network connection, using UDP, to a wirelessly connected microcontroller. Created the application on the microcontroller using C in Code Composer Studio. A set of speakers physically connected to the microcontroller unit are used to play the streamed audio after it is received, buffered, processed, and amplified.

REFERENCES

- Barbara Caffrey
  IT Site Lead
  Cheyenne Refinery
  Holly Frontier Corp
  Cheyenne, WY
  (307) 771-8730

- Chris Ketterman
  Network Engineer
  Cheyenne Refinery
  Holly Frontier Corp
  Cheyenne, WY
  (307) 771-8809

- Stacy Hoffman
  Store Manager
  Ace Hardware Laramie
  Laramie, WY
  (307) 775-0781