

# James C. Tarbert | JCTarb@pm.me

Peach Bottom, Pennsylvania, 17314

## Education

Harrisburg Area Community College | **A.A.S Computer Information Systems** 2016-2018

★ Phi Theta Kappa Honor Society - Alpha Nu Omega Chapter

California University of Pennsylvania | **B.S Computer Information Systems** 2018-2020

★ 2020 **Presidential Scholar Award**

★ *Summa Cum Laude*

★ **3.97 GPA**

★ *Dean's List 4/4*

## Proficient Skills

**Oracle DB** | Data manipulation /advanced query techniques / security, back-up and recovery / managing database objects using data dictionaries

**MySQL/NOSQL** | Ability to retrieve data using Joins, Sub-Queries, Scalar / Vector statements / deploy SQL code to RESTful Web Services

**AWS** | Streamline Java-based development of Cloud applications hosted on the AWS cloud

**Windows Server 2012+ |**

**GIT Version Control** | Collaboratively develop source code throughout software development

**WireShark |**

**Android Studio** | Used to Develop mobile and web applications using Object-Oriented Java Programming

**Microsoft Excel/Word/Visio/PowerPoint** | Experienced in worksheets, charts, functions, formulas, tools, and developing macros

**Microsoft Project |**

**XLMiner** | Experience Identifying patterns and forecasts from databases within Excel, normalizing data sets for machine learning techniques, and visualization of generated structures with XLMiner in Microsoft Excel

### Advanced Languages

- JAVA
- C#
- SQL / PL
- HTML / CSS
- XML / JSON + PHP

### Proficient Languages

- Javascript / jQuery / ES6 / DOM Manipulation
- 6502 Assembly
- Windows Powershell

### Personal Interests

- Machine Learning / AI
- Diesel Engines
- Cryptocurrency
- Carpentry
- Basketball
- World History

## Development Skills

Possesses a **passionate understanding and drive to learn computer hardware / software** interactions in both **low to high level processes**.

Enjoys development of **Object-Oriented** programs in **JVM runtime environment** with **ReactJS**

Handled **SQL** CRUD of an **ASP.NET CORE** database migration with **C#** in **Visual Studios** for Razer HTML (**Model View Controller**)

Possesses a strong fundamental understanding of logic, set theory, combinatorics, probability, and graph theory, along with a history of utilizing a vast variety of operating systems.

Experience with network virtualization and cloud computing, remote access, encryption, firewalls, unified communications, network management, network monitoring, manual subnetting / supernetting, VLANs, WAN technologies, and WLANs.

The ability to administratively issue commands from a terminal within a Local Area Network to manage / upgrade the network.

Hands-on experience installing and choosing database architecture / creating objects such as tables and indices through database commands; applying normalization techniques to data tables, performing various backup / recovery scenarios.

Able to prepare and test SQL/PL database triggers, on database driven websites that use both Client-Side and Server-Side Scripts through RESTful Web Services.

Clear Theory of data warehouse development and applications, including the proficiency to manipulate Data for Updating, Maintenance, and Extraction through SQL/PL Triggers.

## Analysis Skills

Ability to extrapolate a user's needs into technical requirements.

Strong communication skills including project documentation.

Ability to conceptualize Entity Relationship Diagrams (ERDs) and translate ERDs into Relational Schemas for development.

Accomplished software development of a web ordering system through all phases of the software development life cycle within the timeline allotted.

Knowledge on how to analyze a business's current information system and identify weak points.

Ability to compose and create systems capable of meeting the business requirements, and remaining within the project's constraints, while expanding upon the vision to further optimize business processes.

Implemented database backup and recovery strategies in a non-mission critical enterprise.

Constructed user manuals and technical references for an application; resulting in users' successful operation of the information system.

## Employment

Ralph Grafton's Hardwood Flooring **2016 - Present**