

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 DataBase | Data manipulation and data conversion using built-in **database functions** and **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 2016 |

GIT Version Control | Collaboratively develop source code throughout software development

WireShark | For Troubleshooting **TCP/IP Network**, troubleshooting, analysis, and software communications protocol development

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

Microsoft Excel/Word/Visio/PowerPoint | Experience including word **processors, worksheets, charts, functions, formulas, tools, and developing macros**

Microsoft Project | In developing a schedule, assigning resources to tasks, tracking progress, managing the budget, and analyzing workloads

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**

Proficient Languages

- JAVA / Apache.IO
- Javascript / Angular+React
- SQL / PL
- HTML / CSS
- XML / JSON + PHP

Familiar Languages

- Python
- C#
- 6502 Assembly
- Windows Powershell

Personal Interests

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

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.

Development Skills

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

Handled development of **Object-Oriented Applications** using advanced **JAVA** techniques to populate **application databases using SQL Queries**

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**.

Employment

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