ARTHUR J. WASH

Web Development | Video/Audio Production

Website | Demo Reel | Github | Audio Portfolio

SKILLS

- HTML/CSS
- JavaScript
- SQL & PL/SQL
- XML & JSON
- Cross organizational collaboration
- Production Management
- Video/Audio editing & digital content
- Django Framework

EDUCATION

INFORMATION SYSTEMS (M.S.) • 3.9 GPA • MAY 2023 • NEW JERSEY INSTITUTE OF TECHNOLOGY

TV & DIGITAL MEDIA (B.A.) • 3.5 GPA • MAY 2016 • MONTCLAIR STATE UNIVERSITY

GOOGLE UX DESIGN (PROFESSIONAL CERTIFICATE) • DECEMBER 2023 • COURSERA

EXPERIENCE

FREELANCE VIDEO/SOFTWARE PRODUCER: IN THE MONEY MEDIA LLC • 2021 – PRESENT
- Produce & edit horse racing online shows, including scripted shows, livestreams, & podcasts
- Used Web Development knowledge to create interactive leaderboard programs for live shows.
- Created program to automatically cast votes in online voting poll.
- Coordinating with host & talent for scheduling & creating necessary production elements
- Distributing edited content via YouTube, WordPress, and Podcast platforms
- Assisted in creating their website via WordPress, including plugins and hosting setup.

LEAD VIDEO PRODUCER: DAILY RACING FORM • 2016 – 2020
- Promoted from associate producer in 2019
- Produced, edited, and directed over 40 various horse racing segment a week
- Managed and maintained our LiveU decoder server for video distribution
- Configured RTMP (Real-Time Messaging Protocol) feeds for distributing live video to various streaming platforms
- Assisted in IT & troubleshooting for remote guests' internet and video equipment via TeamViewer
- Maintained the video production team's computer and file management systems
- Overlooked the studio's inventory, including equipment maintenance
- Optimized our video streaming rack by removing unnecessary connections and adapters, greatly improving latency and simplifying control flow.

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LINKEDIN PAGE

PROJECTS

Always Sunny Random Episode Generator – This is a webapp that allows users to click a button that will bring up a random episode from the show "It's Always Sunny in Philadelphia". This was done with an API from tvmaze.com, that I call from with JavaScript.

My Website – This is my personal website to promote my skills and work. (HTML/CSS)

MyTouringPal (Repo) – This is my final project for my Web Systems Development course. It uses Python via the Django framework, HTML and CSS. I created a webapp that lets you create an account, and request to play at a set list of venues via a request form that can be approved or denied by an admin.

Advanced Database Systems Design | Project 2 – This project involved both SQL and PL/SQL. It involved manually cleaning up data, importing into an Oracle table, sorting the table in alphabetical order, and using an implicit cursor to insert this data into 5 separate tables depending on how long the word in the first table was. Other tasks included creating a UML diagram, and writing a trigger program to insert people into three separate tables based on gender.

Advanced Database Systems Design | Project 4 - My final project in this course dealt with handling XML and JSON data in an Oracle database. This involved taking a database of state zip codes and writing a cursor program that converted this data into XML and JSON data to be inserted into new tables.

ERD Assignment – A two-part assignment for my Enterprise Data Management course. I had to design a database for professional baseball. This included creating an Entity Relationship Diagram, and assigning proper tables and keys using crow's foot notation.

Baseball Normalization Assignment – This assignment involved being given an excel spreadsheet of baseball data to create a dependency diagram in 1st normal form, as well as relational schemas for 1st, 2nd, and 3rd normal form.

Transaction Processing Assignment – In this assignment, I had to write an update cursor to properly process columns of how many games a baseball player has played, and when the data was last updated. If the last updated column had the most recent date, it would be ignored by the cursor.

Trigger Assignment – For this assignment, I had to write a trigger that updated two columns (total salary and average salary) whenever there was a row insert, update, or delete in the salaries table.

Enterprise Data Management Final Project – This project tested all SQL skills learned throughout the course. This included importing a database into a DBMS, creating geospatial data, sorting through big data, and using a front end spreadsheet with a stored procedure to generate an HTML map.

Advanced Database Systems Design | Project 1 – Using PL/SQL in Oracle, I created a functional compass. I achieved this with both a procedure and function, and a main program with a for loop. The user inputs a number between 0 and 315, which would return the compass direction.

Advanced Database Systems Design | Project 3 – This project involved using an excel sheet with tweets from Twitter. I had to manually clean the data to have Oracle properly store the data in UTF-8 encoding format. I then used regular expressions to select specific data for analyzing, such as how many mentions, hashtags, and email addresses are stored.