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| Jinwoo Oh | Mount Pleasant, SC 29464 • (281) 536-2545  [jwoh1323@gmail.com](mailto:jwoh1323@gmail.com) • [LinkedIn](https://www.linkedin.com/in/jinwoo-oh-90039a4a/)  Portfolio: <https://jwoh1323.github.io/My-Portfolio/> |

**Qualifications Summary**

**Enthusiastic individual with proven expertise in data analysis and interpretation; well-prepared to excel in a challenging role as Data Analyst by leveraging diverse skill set.**

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| Data Analysis   * Skilled in collecting and analyzing large datasets to facilitate informed decision-making. * Adept at employing statistical techniques/analysis and deriving meaningful insights from data.   Reporting & Documentation   * Remarkable efficiency in generating comprehensive reports and maintaining accurate records. * Capacity for communicating key findings and recommendations to higher management. | Data Visualization   * Talent for collaborating with diverse teams, visualizing key information, and organizing clear dashboards. * Ability to examine data trends/patterns and discover relationships between different factors.   Key Strengths   * Possess exceptional analytical, interpersonal, critical thinking, organizational, and problem-solving skills. * Refined communicator with aptitude to nurture long-term professional relationships at all levels. |

**Technical Proficiencies**

**Databases:** SQL, MongoDB

**Tools:** Excel, Access, Power Query, Power BI, Tableau, Power Apps, Power Automate, PowerShell, SSIS

**Languages:** VBA, M, DAX, R, Python, Java, C#, C, JavaScript, HTML, CSS, Bootstrap

**Academic Highlights**

**University of Pennsylvania, Philadelphia, PA Ongoing**

**Master of Computer & Information Technology**

Study courses, including introduction to software development as well as introduction to computer systems. Acquire in-depth knowledge of data structures and software design, algorithms/computation, and mathematical foundations of computer science. Optimize learning in computer systems programming.

* Executed software development project by utilizing Python to design web scraping tool and extract real-time stock market data from diverse sources.
* Created software with different design pattern techniques by leveraging Java as well as program capable of parsing textual data within CSV files.
* Pioneered Java-based software initiative to develop comprehensive student management system.
* Completed all projects by leveraging object-oriented methodologies.

**Professional Experience**

**Mediterranean Shipping Company, Charleston, SC 2012 – Present**

**Data Analyst | Business Intelligence & Analytics Manager (2019 – Present)**

Compile intricate datasets in alignment with both functional and non-functional business requirements. Address data discrepancies and conduct thorough data verification and analysis. Deliver divisional support and ensure availability and optimal performance of systems, user interfaces, automation, and dashboards. Cooperate with management to comprehend analytical requirements, identify vital metrics and KPIs, and provide actionable insights to relevant decision-makers.

* Facilitated real-time insights, enhanced data visualization, and enabled rapid access for monitoring operational and metric performance by creating dynamic Power BI reports and dashboards.
* Devised data analytics system for data extraction, transformation, and loading from diverse sources through utilization of SQL and PowerShell.
* Acquired expertise in DAX, MDX, Power Query, and SQL, while steering SQL Server Management Studio (SSMS).
* Designed intricate data workflows, established data pipelines, and automated tasks related to data migration.
* Leveraged SSIS to automate data processing and improve efficiency/reliability of data extraction procedures.
* Developed system via Power BI, Power Apps, and Power Automate to optimize decision-making process.
* Guaranteed data accuracy by managing data cleansing, data enrichment, and data integration processes.
* Improved data extraction processes by utilizing C# within Visual Studio to interact with APIs.
* Managed over 100 diverse Power BI dashboard projects over a five-year period.
* Extracted, transformed, and loaded (ETL) data within SQL Server environment.

**Account Receivable Clerk, Houston, TX 2018 – 2019**

Identified discrepancies in accounts and generated reports by leveraging SAP, Excel, Access, and Power BI for both clients and management. Monitored overdue accounts and followed up with customers to secure payments. Responded to customer inquiries regarding invoices, payments, and account statements in prompt manner.

* Enabled seamless tracking of account statuses by creating accounts receivable dashboard via Power BI.
* Reduced processing time by designing Excel macros to automate time-consuming invoicing tasks.
* Resolved payment disputes and discrepancies in collaboration with customers.

**Intermodal Customer Service Coordinator, Houston, TX 2014 – 2017**

Determined needs of customers and monitored movement of shipments in real-time. Prepared vessel recaps and other key reports via Excel spreadsheet. Streamlined transportation process as well as analyzed opportunities to improve cost-effectiveness of transportation processes.

* Facilitated communication among clients, vendors, shippers, truckers, and container terminals by acting as liaison.
* Secured trucking and achieved favorable deals through strategic negotiations of rates and shipment volumes.

**Vessel Reconciliation Specialist, Houston, TX 2012 – 2013**

Reconciled vessel-related financial and operational data as well as verified accuracy of financial records. Monitored vessel expenses and reviewed financial records related to vessel operations. Ensured compliance with industry regulations, accounting standards, and internal policies.

* Resolved shipment-related issues in cooperation with relevant parties.

**Education & Credentials**

**Master of Computer & Information Technology, Ongoing**

University of Pennsylvania, Philadelphia, PA

**Master of Science in Business Analytics, 2021**

Carnegie Mellon University, Pittsburgh, PA

**Data Analytics Coding Boot Camp, 2019**

Rice University, Houston, TX

**Master of Science in Accountancy, 2018**

University of Houston, C. T. Bauer College of Business, Houston, TX

**Bachelor’s Degree in Shipping Management Information System**

Korea Maritime University, Busan, KOR

**Key Projects**

**Machine Learning for Product Categorization:**

Executed machine learning initiative by utilizing Amazon data to forecast product categories. Acquired expertise in data analysis, feature engineering, and predictive modeling.

**Predictive Modeling with LSTM:**

Developed predictive model autonomously and employed Long Short-Term Memory (LSTM) networks to forecast BDI index. Conducted time series analysis and deployed advanced deep learning techniques.

**Database System Implementation:**

Designed SQL and NoSQL database systems within dedicated project, emphasizing robust database management and design capabilities.

**Capstone Project for Inventory Forecasting:**

Led capstone initiative centered on forecasting HVAC product inventory volumes through ARIMA models. Created automated data extraction system via Python. Devised interactive dashboard via Power BI to visualize and communicate model's outcomes, showcasing comprehensive end-to-end data engineering expertise.

**Full-Stack Web Development:**

Managed end-to-end development of a restaurant website for food ordering through a full-stack web development project. Utilized JavaScript, HTML, CSS, MySQL, and Flask to craft responsive user interfaces and implemented data analysis dashboard via Tableau. Successfully oversaw development of airport performance dashboard. Leveraged JavaScript, HTML, CSS, MySQL, and Flask to enable real-time interaction and allow users to track airport performance metrics.