

# Andy Kim

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[Portfolio](#) • [GitHub](#) • [LinkedIn](#)

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## Objective

Seeking for a full-time in IT Specialist or related field. Possess advanced programming, data analytical, database management, and communication skills.

## Education

Virginia Tech | Blacksburg, VA

Graduation: May 2021

**B.S in Business Information Technology (Decision Support System)**

GPA: 3.27

Virginia Tech | Blacksburg, VA

Graduation: December 2023

**Master of Information Technology**

GPA: 3.23

Concentration in **Business Analytics**

## Skills

**Programming language:** Python, SQL, R, Java, JavaScript, HTML5, CSS, PHP, jQuery, VBA

**Software/Interface:** AWS, Tableau, Microsoft Office, Advance Excel, Access, PowerPoint, Visio, Visual Studio Code, Eclipse IDE, WordPress, GitHub, MacOS, Windows, SDLC, Pivot Tables, Anaconda

## Projects

ABC Business Analytical Project

- Employed advanced data mining and analytics techniques using Tableau to discern the root causes behind a significant drop in membership renewals within the associate program.
- Delved into machine learning algorithms such as Logistic Regression, K-Nearest Neighbor, and Classification Trees, quantifying data accuracy and specificity through rigorous analysis.
- Presented actionable recommendations to organizational leaders aimed at membership retention and growth strategies.

Data Engineering Project

- Utilized Pandas in Python for data cleansing and analysis and employed TensorFlow for machine learning to create a predictive model for job titles based on job descriptions.
- Performed Batch to store data on an S3 bucket in AWS data lake using Apache Airflow and Python API.
- Integrated Tableau for visualizations and dashboards, enabling data-supported inferences about the model's predictive accuracy.

Hospital Database SQL Project • Code

- Pioneered the development of a comprehensive hospital database, creation of an Entity-Relationship Diagram (EER), followed by the formulation of relational schemas and rigorous database normalization.
- Crafted tailor-made SELECT queries, meticulously representing user profiles within the database.
- Implemented SQL features, including SELECT, INSERT, UPDATE, and DELETE, to customize and optimize the database.
- Showcased expertise in constructing parameterized queries, stored procedures, and triggers to enhance database functionality.

## Work Experience

**Ichiban LLC (Manager/Analyst Associate)**

**Winchester, VA 2021-2022**

- Efficiently managed a comprehensive database, encompassing data organization, storage, and retrieval, ensuring the smooth operation of critical business processes.
- Conducted in-depth sales analyses by comparing yearly performance, leveraging data analytics and mining techniques to formulate data-driven decisions.