

# Jangwon Seo

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## PROFESSIONAL SUMMARY

Data-focused Statistics student at the University of British Columbia with hands-on experience in **data visualization**, **ETL automation**, and **dashboard development**. Skilled in transforming raw datasets into clear insights using **Python**, **R**, **SQL**, and **Tableau**. Proven ability to design and deliver **interactive, data-driven tools** that support informed business decisions.

## EDUCATION

### The University of British Columbia

3rd Year, Bachelor of Science in Statistics

Vancouver, BC

Expected Graduation: 2027

- **Relevant Coursework:** Data Science, Machine Learning, Probability, Statistical Inference, Regression Analysis, A/B Testing, Databases and Algorithms

## PROJECTS

### ETF Dividend Analysis and Predictive Modeling

- Built Python ETL pipelines to process 10,000+ financial records from 10+ ETF tickers for reporting and trend analysis.
- Implemented an LSTM model in TensorFlow/Keras to forecast dividend payouts, achieving an RMSE of 0.047 and improving reporting accuracy through automated data ingestion and cleaning with Pandas and NumPy.
- Developed a Tableau dashboard visualizing dividend trends and LSTM-predicted values with dynamic filtering and KPIs.

### Coffee Quality & Specialty Classification

- Analyzed CQI coffee data to identify quality patterns across origin, altitude, variety, and processing using EDA and statistical testing.
- Conducted ANOVA to evaluate country- and variety-level differences in quality scores.
- Built an interactive Tableau dashboard visualizing specialty rates and quality distributions.

### GAN for Composite Generation (User Input-Driven)

- Applied GANs to generate composite images based on user feedback using PyTorch.
- Designed a latent-space optimization guided by user ratings to iteratively improve similarity of output.
- Analyzed model performance visually and statistically using Matplotlib and NumPy.

## WORK EXPERIENCE

### Contract Web Developer

Remote

May 2025 – Present

Canada, South Korea

- Collaborated with clients to design web-based business solutions integrating data analytics and visualization for operational insights.
- Built public API-driven data pipelines using Python to collect, clean, and refresh geospatial and tabular datasets powering interactive dashboards.
- Integrated Web Map Service layers into a dynamic map interface, enabling users to highlight land areas, visualize regional data patterns, and export results to CSV.

### Facility Manager

Air Force Academy

Aug. 2022 – May. 2024

Cheongju, South Korea

- Led a team of 8 soldiers and automated scheduling using Python, reducing manual workload.
- Implemented constraint validation ensuring fair, transparent shift allocation.

## TECHNICAL SKILLS

**Languages:** Python, R, SQL

**Data & Visualization:** Tableau , PowerBI, Pandas, NumPy, Matplotlib, Plotly

**Tools:** Excel, Django, MySQL, Git, Azure, Heroku