

Wonseuk Her

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Experience

HistoGenetics – Pioneering lab for high-resolution HLA typing	Ossining, New York
Genetic Data Analyst	11/2023 – Present
<ul style="list-style-type: none">Enhanced data accuracy by 20% across 300,000 rows of genetic data by developing scalable Python algorithm to detect noise data automaticallyReduced experiment repetition by 15% by analyzing log data, defining key metrics, and visualizing insights for immediate feedbackCut meeting time by 50% for 13 teams during weekly company-wide meeting by building automated real-time dashboard with Python, Streamlit, and Plotly	
DR & AJU Law Group – Top 10 law firm in South Korea	Seoul, South Korea
Research Intern	05/2020 – 07/2020
<ul style="list-style-type: none">Directed team of 6 interns to translate 100+ legal documents weekly, reducing downtime for lawyers by 40%, allowing lawyers to focus on strategy developmentAnalyzed retail pricing of health products for potential arbitrage, providing data-driven insights for partners to utilize during defense	
SUNDOSOFT – End-to-End Geospatial data solution provider	Seoul, South Korea
Business Development Intern	06/2019 – 08/2019
<ul style="list-style-type: none">Engineered data pipeline capable of serving 10,000 + potential clients, providing platform for farmers to monitor their crops using drone-collected GIS dataIncreased expense reimbursement process by 40% by automating data collection and processing using Python, eliminating 2-person manual input and calculation of data via Excel	

Education & Certification

University of Southern California	Los Angeles, California
<ul style="list-style-type: none">Master of Science in Applied Data Science, GPA: 3.85	05/2023
<ul style="list-style-type: none">Bachelor of Science in Economics and Data Science, GPA: 3.63	05/2023
Google Cloud	
<ul style="list-style-type: none">Professional Data Engineer	01/2025

Skills

- Programming:** Python, SQL
- Machine Learning:** Tensorflow, PyTorch, Scikit-Learn, XGBoost, Pandas, Numpy
- Big Data:** Apache Spark, Hadoop, PySpark
- Cloud Computing:** Google Cloud Platform, BigQuery, Vertex AI
- Data Visualization:** Matplotlib, Seaborn, Plotly, Streamlit, Looker, Power BI
- Database Management:** MySQL, MSSQL, MongoDB, Cloud SQL
- Languages:** English (native), Korean (native), Japanese (native)

Projects

- Analyzed 522,000 rows of consumer data using the **Apriori** Algorithm, uncovering key purchasing patterns with potential to drive 20% retail revenue increase
- Developed **Spark-based recommendation system** to forecast 142,000 customer ratings, providing new businesses with insights needed to predict customer preferences and target marketing efforts