Junwon Choi

📞 (310) 254-4579 ✉ cjunwon.tech@gmail.com 🔗 linkedin.com/in/cjunwon 🌐 cjunwon.github.io

EDUCATION

University of California, Davis — Davis, CA
Master of Science, Statistics (Data Science Track) — December 2025
- **Relevant Coursework:** Big Data and High Performance Statistical Computing, Statistical Methods for Research

University of California, Los Angeles (UCLA) — Los Angeles, CA
Bachelor of Science, Data Theory — June 2024
- **GPA:** 3.7 / 4.0
- **Relevant Coursework:** Data Analysis and Regression, Machine Learning, Data Mining, Data Ethics

EXPERIENCE

Sensing and Robotics for Infrastructure (SRI) Lab at UCLA — Los Angeles, CA
Research Intern — March 2023 – September 2024
- Led multiple projects to add key features on a robust road assessment web application funded by the City of Los Angeles
- Integrated parallel processing scripts to AWS S3, EC2 pipeline, automatically restructuring 10+ GB of geospatial data
- Evaluated road usage patterns and traffic congestion in a network of 88+ million node pairings using network analysis
- Customized computer vision models to classify parked cars from 150+ GB of onboard camera footage

The Daily Bruin — Los Angeles, CA
Data Team Director — May 2023 – June 2024
- Directed a team of 20 journalists to publish 50+ articles and data visualization inserts across multiple newsroom sections
- Launched two additional production teams and trained 15+ new reporters, expanding production capacity threefold
- Reported GA4 engagement data for all 17 internal teams and advised content strategies to increase readership

Data Journalist — October 2022 – May 2023
- Pitched and produced data-driven, interactive, and responsive web articles using React, JavaScript, and HTML/CSS
- Interviewed and liaised with external organizations and individuals for dataset requests and story details

DataRes at UCLA — Los Angeles, CA
Research Team Lead — October 2022 – March 2024
- Headed a team of 5+ students to develop machine learning projects based on novel geometric deep learning research
- Designed custom SQL server to host and filter 50+ GB of raw data, increasing data distribution efficiency by 93%

Republic of Korea Marine Corps — Gimpo, South Korea
Sergeant (Communications Squad Leader) — October 2020 – April 2022
- Supervised and trained a 20-person team to set up radio and wired communicaion networks for battalion operations
- Interpreted and translated Korean-English for ROK and U.S. officers during 3 major joint training operations

RESEARCH/PROJECTS

Fingerhut (Online Retailer) Strategic Consulting – *Capstone Project (Data Theory, B.S.)*
- Analyzed 1.6+ million customers' web sessions to extract key features driving account activation and purchases
- Developed custom stochastic model to visualize and predict customer behavior based on advertisement exposure
- Presented findings to Fingerhut executives and recommended strategic changes to increase customer retention

Synthetic Survey Data Generation and Evaluation – *Research Paper (Submitted to ACM KDD 2025: ADS Track)*
- Built end-to-end pipeline to generate synthetic data using U.S. voter files with parametric, GAN, LLM based models
- Assessed synthetic data quality using 4 general utility, 1 target-specific utility, and 4 privacy metrics

Research Paper Classification Optimization Using NLP and Instance-Based Learning – *Course Project*
- Developed comprehensive NLP pipeline to process, categorize, and retrieve related research papers from arXiv database
- Compared clustering models at varying complexity against fastText and ANNOY for optimal performance

SKILLS

Programming: Python, R, SQL (MySQL, SQLite), JavaScript, HTML/CSS, LaTeX
Data Technologies: Git, AWS (S3, EC2, RDS, Lambda), Tableau, Excel, Google Analytics, Hadoop, Databricks
Languages: English and Korean (bilingual fluency)