Jiwon (Keith) Jung

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EXPERIENCE

Bridge Legal
Integrations Lead | Oct 2024 - Present (Full-time)
- Owned client **integrations** end to end across Salesforce Litify, Filevine, Monday.com, etc, from scoping requirements with client firms to shipping the **API layer** and Elasticsearch delivery monitoring across 730M+ inbound and 137M+ outbound data points.
- Built **SQL-backed** executive dashboards and a live integration status view for Account Executives, cutting client reporting from days to same-day and equipping AEs to answer client questions on the spot
- Shipped a **self-service intake form** with Marketing and ran the **A/B test** behind it: rep talk time per lead fell **50%** and **cost per signed case fell 49%** ($1,215 to $614) at matched media spend per matter.
- Developed **NLP** risk models in **Python** over unstructured case documents, turning them into cashflow and collateral health signals the underwriting team used to make decisions on Talc, AFFF, Camp Lejeune, as well as sexual abuse dockets.

31st Infantry Division, Republic of Korea Army
Military Police Sergeant | Sep 2020 - Mar 2022 (Full-time)
- **Squad Leader** for eighteen months, assigning roles by individual strength and holding one standard across the team.
- Team awarded **"Top Team"**; placed second in bootcamp.

ASCENT AI | ListeningMind
Software Solutions Engineer | Aug - Sep 2020 (Internship)
- Built **REST API** integrations and data-cleaning routines to capture and organize client issues on **Google Cloud Platform**, contributing to a **32% sales** increase.
- Analyzed consumer behavior on a client's e-commerce site and turned the findings into recommendations that drove a **45% sales** increase.

NICE Data and Research
Research Intelligence, Senior Staff | May - Jul 2020 (Internship)
- Programmed **R** to convert Excel and JSON sources into **SQL** for a team big-data mining project that drove a **28% sales increase**.
- Structured multi-format data through an **ETL process** and mapped how each task fed the overall project **deliverable**.

PROJECTS & RESEARCH

Triple Negative Breast Cancer - *Team Lead | May 2024 - Present (Re-building)*
- Led the team and owned data and software engineering; consolidated multi-source patient data in **Python** with **pandas** and **NumPy**, resolving conflicts rather than dropping rows.
- Fine-tuned a **TensorFlow** model by **transfer learning**, freezing pre-trained layers for a small medical dataset where available data is the binding constraint.
- **First place, Korean Society of Laboratory Medicine Summer Symposium.**

Cell-Average Based Neural Networks - *Research Collaboration | Jan - May 2024 (Re-building)*
- Trained neural networks in **Python** with **TensorFlow** and **Keras** on cell averages to predict **PDE** solutions over time, pairing ML with **finite volume methods** to cut compute cost and step past CFL limits.
- Generated synthetic training and validation sets by simulating traditional numerical methods.

Huffman Coding Compressor - *Course Project | Feb - Mar 2023*
- Built a file compression and decompression program in **C++**, using data structures and algorithms chosen for storage efficiency.
- Cut runtime and memory with a custom **priority queue** and an optimized tree build mapping character frequencies to binary codes.

EDUCATION

University of Illinois Chicago - *B.S. Mathematics and Computer Science | 2018-2020, 2022-2024*

LEADERSHIP

Chi Sigma Tau Fraternity - *Vice President | Aug 2023 - May 2024*
- Led active members to **20 hours of monthly philanthropy** with Alpha Phi Omega Service Fraternity.

Quantitative Trading Club - *Aug 2023 - Aug 2024*
- Led weekly sessions on **algorithmic trading** strategies; competed in Chicago Trading Company's Mock Open Outcry.

Korean Student Association - *Founder & President | Aug 2018 - May 2020*
- **Founded** the organization and ran events with three Midwest schools, raising **$2,180** in a month for children's education.