

Jalen Chan

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EDUCATION

University of Illinois Urbana-Champaign

Expected: May 2027

Bachelor of Science in Data Science, Information Sciences; GPA: 3.63/4.00

Champaign, IL

- Coursework: Database Concepts & Applications, Linear Algebra, Concepts of Machine Learning, Modeling & Learning in Data Science, User Research & Evaluation
- Activities: Business Intelligence Academy (Data Science Cohort), Phi Gamma Delta (Professional Development and DEI Chair), Greeks Redefined (Member)

SKILLS

Languages: Python, SQL, HTML/CSS, Java, JavaScript, TypeScript

Developer Tools: Power BI, Tableau, PostgreSQL, Git, Jupyter, FastAPI, Node.js, Supabase, Excel, React

Libraries & Frameworks: Pandas, NumPy, Matplotlib, Scikit-learn, Seaborn, SciPy, NLTK, TensorFlow, Keras

Soft Skills: Team Collaboration, Cross-functional Communication, Leadership, Conflict Resolution

Certifications: Databricks - Generative AI, Data Analysis with Python - IBM

EXPERIENCE

Figma

August 2025 - Present

Campus Leader

Champaign, IL

- Organized 4+ design workshops to showcase new Figma features, fostering product growth and user retention
- Gathered user insights and campus feedback from **200+** students, collaborating with the Figma Education team to incorporate student perspectives into product strategy and roadmap planning
- Created educational resources and templates to help students adopt Figma for real-world projects, strengthening product usage and long-term engagement

Humana

May 2025 - August 2025

Data Analytics Intern

Louisville, KY

- Boosted API observability by **83.1%** by collecting, cleaning, and organizing endpoint performance data, then deploying **103** synthetic monitors in Dynatrace to proactively identify failures and latency issues
- Designed a centralized Power BI dashboard and reports that integrated certification data across **5** cross-functional teams, automating credential tracking and improving compliance visibility for leadership
- Utilized Agile sprints to prototype and pitch a generative AI solution to business stakeholders that automated scrum analysis achieving an **83.3%** time reduction using OpenAI and FlorenceAI to summarize meetings and SQLite for data storage

SupplierIO

May 2024 - August 2024

Data Engineer Intern

Westchester, IL

- Accelerated data enrichment by **57.1%** through data exploration and implementation of KMeans and Random Forest models in Python on **100K+** supplier records, streamlining category tagging to enhance ML pipeline efficiency and data quality
- Conducted weekly audits for **35** clients, ensuring accuracy across **20,000+** supplier DEI and sustainability records
- Optimized client tracker by syncing **900+** contracts to internal databases, reducing redundancy and lag by **40%**

PROJECTS

Image Captioning Pipeline using Multimodal ML | *TensorFlow, Keras, Python, FastAPI, React, NLTK*

- Trained a custom social media caption generation model using a CNN-LSTM architecture on **6000+** image-caption pairs from the flickr dataset, achieving a BLEU-1 accuracy of **40%** on image captioning
- Engineered an NLP preprocessing pipeline using Tensorflow tokenizers and vocabulary mapping to clean, normalize, and vectorize over **2.9 million** tokens across **30,000** images
- Applied teacher forcing, early stopping, and BLEU-based evaluation to optimize sequence generation performance and reduce overfitting by **22%**
- Deployed a FastAPI inference service integrated with a React frontend to generate captions from user-uploaded images in under **2** seconds per request