

# MINJI KIM

Austin, TX | minjik416@gmail.com | U.S. Citizen | <https://github.com/mk43275> | [www.linkedin.com/in/minjikimut](http://www.linkedin.com/in/minjikimut)

## EDUCATION

---

### The University of Texas at Austin - School of Information

December 2025

Bachelor of Science, Human-Centered Data Science | GPA: 3.9

Minor: Risk Management, Programming & Computation

**Relevant Courses:** Human-Centered Data Science, Research Methods for Informatics, Applied Machine Learning, Applied Cybersecurity Foundations, Deep Learning & Multimodal Systems, Natural Language Processing, User Experience Design

## RESEARCH EXPERIENCE

---

### AI/ML/NLP Labs - Austin, TX

*Data Science Researcher*

April 2024 - September 2025

- Built Python data pipelines to curate, clean, and validate 100K+ multimodal records for fine-tuning and evaluation
- Developed and evaluated 7+ vision-language models (VLMs) by integrating image encoders with large language models (LLMs)
- Benchmarked unimodal and multimodal baselines using AWS SageMaker to enable scalable model training
- Led weekly research meetings, coordinating experiments, milestones, and documentation to ensure reproducibility

### UT Austin iSchool Labs - Austin, TX

*Undergraduate Associate Researcher*

Sept 2024 - April 2025

- Surveyed video summarization techniques across traditional, machine learning, and deep learning approaches
- Evaluated methods on efficiency, accuracy, and privacy tradeoffs to inform development of an optimized approach
- Led weekly research synthesis meetings, collaborating on analysis and translating findings into research write-ups

## PUBLICATIONS

---

Mishra, A., Noh, R., Fu, H., Li, M., **Kim, M.** (2025). *ReVision: A Dataset and Baseline VLM for Privacy-Preserving Task-Oriented Visual Instruction Rewriting*. **Proceedings of IJCNLP–AAACL 2025**, Mumbai, India. [arXiv:2502.14780](https://arxiv.org/abs/2502.14780)

## PROFESSIONAL EXPERIENCE

---

### Virginia Innovation Partnership Corporation - Richmond, VA

*AI Systems & Data Automations Fellow*

September 2025 - Present

- Partner with the Virginia IT Agency to implement enterprise AI and data governance standards aligned with state and federal requirements
- Establish formal data governance frameworks (data libraries, validation checks, access controls, audit logs), ensuring traceability, integrity, and compliance across systems
- Lead AI workshops for 100+ users, focusing on safe, efficient adoption tailored to division-specific workflows
- Drive cross-divisional operations strategy by architecting standardized data pipelines, unifying fragmented data sources and reducing manual aggregation workload by 15% annually
- Create outcome dashboards integrating 3+ legacy CRM and data systems, standardizing decision metrics to enable scalable investment due diligence and consistent decision-making
- Develop an internal statewide research intelligence analytics platform on AWS, aggregating multi-source publication data to map researcher pipelines and identify commercialization opportunities
- Deliver Power BI GIS dashboards visualizing real-time environmental sensor data across 21 Virginia localities, leveraging Box and Airtable to standardize metadata and streamline data access workflows
- Build automated data ingestion workflows using Zapier to centralize portfolio company intelligence, strengthening marketing analytics and investment tracking infrastructure

### UT Regional Security Operations Center - Austin, TX

*SOC Analyst*

March 2025 - September 2025

- Performed log analysis, alert triage, and network monitoring in a regional SOC setting using SIEM workflows
- Conducted incident detection and response including malware analysis, digital forensics, and escalation exercises

- Supported refinement of threat detection, response playbooks, and vulnerability management practices

**Strauss Center** - Austin, TX

*Texas Cybersecurity Clinic Consultant*

August 2024 - September 2025

- Assessed the cybersecurity posture of Devine, TX using national security standards (NIST) to evaluate operational risk
- Developed a prioritized mitigation and response plan aligned with the city's goals to strengthen incident preparedness
- Created security governance policies and compliance documentation adopted across a 30+ employee organization
- Presented findings and strategic recommendations to City Council, translating technical controls into actionable insights

**LOE Cosmetics** - Austin, TX

*Business Analyst*

November 2023 - April 2025

- Built demand-forecasting and time-series models to support planning, reducing inventory costs by 10%
- Developed Tableau dashboards to reduce reporting time by 25%, delivering real-time insights to leadership
- Partnered cross-functionally with legal, operations, and finance teams to define standard metrics and embed analytics into decision workflows

**HONORS & AWARDS**

---

**National Security Fellow - Girl Security**

October 2025

- Selected for a fellowship advancing women's leadership in national security, technology, and AI ethics

**NobleReach Scholar - NobleReach™**

August 2025

- Selected for a national fellowship supporting public-interest technology and policy innovation
- Sponsored by a quasi-state organization, serving as an AI Fellow focused on AI policy and implementation

**Cyber 9/12 Strategy Challenge - Semi-Finalist | Atlantic Council**

February 2025

- Developed strategic policy responses to simulated cybersecurity crises and presented to current practitioners
- Semi-Finalist: 4th (Washington, DC) and 6th (Austin, TX)

**Undergraduate Research Fellowship - The University of Texas at Austin**

November 2024

- Awarded funding to support research on privacy-preserving, on-device vision-language models

**University Honors - The University of Texas at Austin**

September 2023

**TECHNICAL PROJECTS**

---

**Safer City for Pittsburgh**

Spring 2025

- Conducted data analysis on 4,000+ property records to identify community risk patterns using Pandas and Matplotlib
- Consolidated and validated 100K+ external records with Python and pandas to support city-wide risk modeling
- Presented data-driven mitigation strategies to the Chief Data Officer and internal analytics team

**Less Annoying Robo Caller**

Spring 2025

- Designed a multimodal emotion recognition system, enhancing customer service response performance by analyzing both speech audio and ASR-derived text
- Extracted features from 7,400+ audio files using Librosa and trained a late-fusion model combining ASR and text classifiers, boosting classification accuracy by 30% over unimodal baselines
- Built a prototype that processed live voice inputs to evaluate real-time model performance and improve robustness

**Phish in the Web**

Spring 2024

- Developed a phishing-URL detection model, allowing users to classify suspicious URLs through an interactive interface
- Created Python (Pandas, NumPy, Scikit-learn) pipelines to preprocess URL features and train various classification models, including Random Forest, SVM, MLP, and Logistic Regression, evaluating performance across classifiers

**Telco Anti-Churn Initiative**

Spring 2024

- Built a churn prediction model on 7,000+ customer records to identify attrition drivers and propose retention strategies projected to reduce churn by up to 14%
- Performed data preprocessing, normalization, and feature engineering in Python; trained 6+ models, achieving 98% accuracy with the top-performing classifier

**Twitter User Engagement Analysis**

Spring 2023

- Built automated ETL pipelines using BeautifulSoup APIs, reducing manual data processing time by 30%
- Analyzed engagement patterns across 200+ users to inform social-influence and behavior modeling

## LEADERSHIP & SERVICE

---

### President - Girls Who Code

Spring 2023 - Fall 2025

- Founded and launched the UT Austin Girls Who Code Mentorship Program in partnership with Rouse High School, teaching AI fundamentals and predictive modeling
- Led applied data analytics and machine learning workshops, translating technical concepts into hands-on projects
- Coordinated technical speaker and community events to connect members with industry and research opportunities
- Oversaw operations for a 200+ member organization and raised \$7,500+ to support technical initiatives

### President - Informatics Undergraduate Student Council

Spring 2023 - Fall 2025

- Partnered with student organizations and academic units across multiple schools to deliver interdisciplinary programming and expand access to research and career pathways
- Launched a mentorship program for Informatics majors and minors, supporting careers in human-centered domains
- Coordinated cross-functional student leadership teams to deliver academic programming, professional development, and community-building initiatives

### Director of New Student Affairs - Women in Informatics

Spring 2023 - Fall 2024

- Led recruitment and onboarding initiatives for new Informatics students, expanding organizational visibility and early student engagement
- Planned and executed outreach events and resources to support retention and inclusion within the community

## PROFESSIONAL AFFILIATION

---

### Member - Responsible AI Institute (RAII)

Fall 2025 - Present

- Engaged with RAII research, working groups, and standards on AI governance across U.S. and EU regulatory contexts
- Applied emerging best practices in AI policy, data governance, and risk management to internal AI policy development and adoption planning, aligned with existing state and federal regulations

## TECHNICAL SKILLS

---

**Programming & Platforms:** Python, SQL, MySQL, R, Swift, Jupyter Labs, GitHub

**Data & Cloud:** Data Engineering & Modeling, Tableau, Power BI, AWS Services, ETL, APIs

**AI/ML/NLP:** Scikit-learn, Tensorflow, Pandas, Pytorch, Transformers, Vector Embeddings, Predictive Modeling, LLMs, NLP

## CERTIFICATIONS

---

### Google Cybersecurity Professional Certificate (Coursera)

- Foundations of Cybersecurity — *Completed*
- Tools of the Trade: Linux & SQL — *Completed*
- Play It Safe: Manage Security Risks — *Completed*
- Assets, Threats, and Vulnerabilities — *Completed*
- Connect and Protect: Networks and Network Security — *Completed*
- Sound the Alarm: Detection and Response — *Completed*

### Hack The Box

- OS Fundamentals — *Completed*