

Zeyu Wang 王泽宇

LLM · Diffusion · VLM

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GitHub · Google Scholar



Education ACADEMIC TRAINING

Wenzhou-Kean University

Sep 2024 – Jun 2028

B.A. in Mathematical Sciences, Data Analytics Option · Cumulative GPA: 3.80/4.00 · English-medium joint institution

Kean University, United States

Spring 2026

B.A. in Mathematical Sciences, Data Analytics Option · Exchange GPA: 4.00/4.00 · Exchange Student

Publications & Manuscripts FIRST AUTHOR ON BOTH WORKS

Decoupling Generation and Selection for Budget-Constrained Faithful Summarization

Zeyu Wang, Guanghua Wang, Meng Xu

FIRST AUTHOR · arXiv:2608.03655 · August 2026

- Introduces a budget-constrained framework that separates neural candidate generation from sentence-level content selection for faithful abstractive summarization.
- Formulates summary construction as diversity-aware combinatorial optimization over semantic coverage, factual consistency, redundancy, and an explicit length budget.
- Uses a DPP-inspired selection strategy to improve factual consistency and redundancy control while preserving competitive summary quality across generation models and benchmark datasets.

Flight Scheduling Optimization Using Predicted Delay Probabilities: A Mixed-Integer Linear Programming Approach

Zeyu Wang, Fangtian Liu, Ebenezer Fiifi Emire Atta Mills

FIRST AUTHOR · Submitted to IJDMMM · Revision requested · 2026

- Develops a leakage-aware machine-learning pipeline for estimating flight-delay probabilities from information available before departure.
- Integrates predicted delay probabilities into MILP for capacity-constrained selection of carrier-airport-month service units.
- Evaluates a synthetic proxy objective and predicted risk, with limited generalization in temporal validation.

Research & Selected Project Experience APPLIED AI

Diffusion Model Research · Wenzhou-Kean University

Sep 2026 – Present

- Working with Prof. Zhiqiang Gao on diffusion model optimization and generalization at the International Frontier Interdisciplinary Research Institute (IFIRI).

Visiting Student Researcher · Westlake University AGI Lab

Apr – Sep 2026

- Researched diffusion models and video generation under the supervision of Prof. Chi Zhang.

LLM Summarization Research · Kean University

Jan 2026 – Present

- Research under Prof. Guanghua Wang on faithful summarization and combinatorial selection under budget constraints.

Prediction and Optimization Research · Wenzhou-Kean University

Sep 2025 – Jan 2026

- Research with Prof. Ebenezer Atta Mills on flight-delay prediction and probability-driven MILP optimization.

SafeArrival AI · Multimodal Risk Advisory System

May 2026

- Built a multimodal scam-risk advisory system for The Gemma 4 Good Challenge using Gemma 4, Cloudflare Workers, D1, R2, and Durable Objects.

Awards & Honors

Google 2026 Gemma 4 Hackathon · Semifinalist

2026

WKU Overseas Study Scholarship · First Class

Spring 2026

Kean University exchange

Technical Preparation METHODS & TOOLS

Machine Learning: PyTorch, ensemble learning, evaluation, diffusion models, LLMs

Programming: Python, TypeScript, SQL, Git, LaTeX

Optimization: MILP, combinatorial optimization, DPP-inspired selection

Systems: Cloudflare Workers, D1, R2, Durable Objects, AWS