

Wenjia Wang

Computer Science Ph.D. Candidate (Expected Dec. 2026)
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ACADEMIC PROFILE

Computer Science Ph.D. candidate seeking a teaching-focused faculty position in applied AI, cybersecurity, and health-data systems. Experienced as a teaching assistant, senior capstone mentor, capstone project manager, and recurring capstone showcase judge. Applied research and project work connects large language models, compliance reasoning, Zero Trust architecture, and digital-health software developed across Computer Science and Dietetics & Nutrition.

EDUCATION

Florida International University	Ph.D. in Computer Science (GPA: 3.86) Miami, FL	Jan. 2022 – Present (Exp. Dec 2026)
Florida International University	M.S. in Computer Science Miami, FL	May 2020 – Dec. 2021
Shanghai University	B.S. in Computer Science Shanghai, China	Sep. 2012 – May 2016

TEACHING & MENTORING

Teaching Assistant:
CEN 5013 - Security in Computing
CEN 5079 - Software Vulnerabilities and Security
FIU Capstone Project Assistant: Helping my supervisor Dr. Sadjadi mentor student teams on requirements analysis, architecture design, implementation, testing, documentation, technical presentations, and final demonstrations.
FIU Capstone Project Showcase Judge: Served as Judge every term since Spring 2023 for interdisciplinary capstone project evaluation.

REPRESENTATIVE GUIDED CAPSTONE PROJECT

Peer-to-Peer File-Sharing System	Computer Science project
- Mentored a web-based file-sharing application with account creation, login, password reset, profile updates, file upload, folder hierarchy, file preview, search/filter, and deletion workflows.	
- Guided the team on front-end workflow design, API-driven feature development, and end-to-end demonstration structure.	
Baby-Feed Health Data Web Platform	Interdisciplinary health-software project
- Acted as tech lead and the primary interdisciplinary bridge between Dietetics & Nutrition faculty and software engineering teams to translate clinical protocols into data architectures and predictive digital-health workflows.	

EXPERIENCE

Research Assistant Florida International University	Jan. 2025 – Present
- Conduct research on GRC automation; designed & engineered ComplianceGPT , a version-aware RAG pipeline that addresses LLM version blindness and citation errors by decoupling evidence selection and answer assembly.	
- Constructed a Canonical Clause Store parsing NIST OSCAL catalogs to enable auditor-verifiable citations, optimizing multi-stage hybrid retrieval to mitigate terminology hallucinations.	
- Research on Zero Trust Architecture, publishing peer-reviewed papers on transitioning legacy infrastructure to secure frameworks.	
Teaching Assistant Florida International University	Jan. 2022 – Dec. 2024
- Instructed two courses and co-managed senior capstone courses, providing technical guidance, architecture review, and presentation coaching to student teams.	
- Served as Capstone Showcase Judge semesterly since Spring 2023, evaluating cross-disciplinary system architectures, technical execution, and communication quality.	
Lead Developer Florida International University	Mar. 2021 – May 2023
- Led product and engineering execution for Baby-Feed, coordinating faculty, researchers, and developers across implementation and delivery cycles.	
- Built backend services, database workflows, deployment pipelines, and collaboration processes using Java/Spring Boot, MongoDB, Docker, Azure, and Git.	
Full-Stack Engineer Shanghai E-Guang Info. & Tech Co.	Oct. 2017 – Dec. 2019
- Built a 0-to-1 WeChat Mini Program e-commerce platform reaching 10K views/day, integrating WeChat Pay and Alipay for customer checkout and payment workflows.	
- Engineered a high-volume e-commerce SKU management platform, using Java Spring Boot for high-availability backend scalability.	
Front-End Engineer Shanghai Allpay Network Tech Co.	July 2016 – Sep. 2017
- Developed responsive financial trade monitoring dashboards using JavaScript and RESTful APIs, visualizing real-time fund flows for enterprise clients.	

TECHNICAL SKILLS

Languages : Python, SQL, Java, Go, JavaScript
AI & Data Stack : RAG, LangChain, LLMs (Llama/GPT/HuggingFace), BigQuery, Vector DBs, PyTorch, MongoDB
Security & Compliance : NIST SP 800-53, SOC 2, PCI-DSS, HIPAA, Zero Trust Architecture, GDPR, ISO 27001
DevOps & Tools : Git, Docker, AWS (EC2/S3), Linux Shell Scripting, CI/CD Pipelines

PUBLICATIONS

1. **Wang, Wenjia**; Sadjadi, Seyed Masoud; Rishe, Naphtali; Mahara, Arpan. **“A Minimal Overlay-Based Framework for Transitioning Legacy Infrastructure to Zero Trust.”** *2025 IEEE Conference on Communications and Network Security (CNS)*, pp. 1–6, 2025, IEEE.
2. **Wang, Wenjia**; Sadjadi, Seyed Masoud; Rishe, Naphtali. **“A Survey of Major Cybersecurity Compliance Frameworks.”** *2024 IEEE 10th Conference on Big Data Security on Cloud (BigDataSecurity)*, pp. 23–34, 2024, IEEE Computer Society.
3. **Wang, Wenjia**; Sadjadi, Seyed Masoud; Rishe, Naphtali. **“Curse of Feature Selection: A Comparison Experiment of DDoS Detection Using Classification Techniques.”** *2022 IEEE Intl Conf on Parallel & Distributed Processing with Applications, Big Data & Cloud Computing, Sustainable Computing & Communications, Social Computing & Networking (ISPA/BDCLOUD/SocialCom/SustainCom)*, pp. 262–269, 2022, IEEE.
4. **Wang, Wenjia**; Sadjadi, Seyed Masoud; Rishe, Naphtali; Mahara, Arpan. **“Applying Transparent Shaping for Zero Trust Architecture Implementation in AWS: A Case Study.”** *arXiv preprint arXiv:2405.01412*, 2024.
5. Bolton, Jennifer; **Wang, Wenjia**; Coccia, Catherine; Narayanan, Vijaya; Varella, Marcia; Hannan, Jean; Palacios, Cristina. **“Baby-Feed Pilot Trial for Improving Diet and Weight Gain in Infants and Toddlers.”** *Maternal and Child Health Journal*, pp. 1–11, 2026, Springer US.
6. Mahara, Arpan; Khan, Md Rezaul Karim; Rishe, Naphtali; **Wang, Wenjia**; Sadjadi, Seyed Masoud. **“Discrete Wavelet Transform as a Facilitator for Expressive Latent Space Representation in Variational Autoencoders in Satellite Imagery.”** *arXiv preprint arXiv:2510.00376*, 2025.
7. Mahara, Arpan; Khan, Md Rezaul Karim; Deng, Liangdong; Rishe, Naphtali; **Wang, Wenjia**; Sadjadi, Seyed Masoud. **“Automated Road Extraction from Satellite Imagery Integrating Dense Depthwise Dilated Separable Spatial Pyramid Pooling with DeepLabV3+.”** *Applied Sciences*, 15(3):1027, 2025, MDPI.
8. Mahara, Arpan; Rishe, Naphtali D.; **Wang, Wenjia**; Sadjadi, Seyed Masoud. **“KAN-Attn GAN: Map Generation with Kolmogorov-Arnold Networks and Attention-Based Queries Selection.”** *2024 International Conference on Machine Learning and Applications (ICMLA)*, pp. 1599–1604, 2024, IEEE.
9. Palacios, Cristina; Bolton, Jennifer; **Wang, Wenjia**; Gatto, Alayne; Concepción, Lourdes; Sadjadi, Masoud; Varella, Marcia; Hannan, Jean. **“Development and Pilot Testing of the Baby-Feed Web Application for Healthcare Professionals and Parents to Improve Infant Diets.”** *International Journal of Medical Informatics*, 174:105047, 2023, Elsevier.
10. Bolton, Jennifer; Palacios, Cristina; **Wang, Wenjia**; Concepción, Lourdes; Sadjadi, Masoud; Varella, Marcia; Hannan, Jean. **“Pilot Testing of Baby Feed: The Web Application for Healthcare Professionals and Parents to Improve Infant Diets.”** *Current Developments in Nutrition*, 6:823, 2022, Elsevier.