

ZHIMING XU

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EDUCATION

University of Virginia <i>Master of Computer Science</i>	Aug. 2021 – May 2023 Charlottesville, VA
Nanjing University <i>Bachelor of Science in Computer Science</i>	Sep. 2016 – Jun. 2020 Nanjing, Jiangsu
University of California, Berkeley <i>Visiting Student in Computer Science</i>	Jan. 2019 – May 2019 Berkeley, CA

WORKING EXPERIENCES

Software Engineer <i>Enterprise & Verticals, Otter.ai</i> <ul style="list-style-type: none">• Design and implement public APIs. Use it to build Otter automation on Zapier. Serve 1600+ enterprise customers and thousands of recording imports and exports per day• Design and implement domain capturing. Empowers admins to manage their Otter users responsibly and efficiently• Build extensive logging to achieve HIPPA compliance to unlock sales opportunities	Aug 2024 – Present Mountain View, CA
Software Engineer <i>Ingestion, Lacework (Acquired by Fortinet)</i> <ul style="list-style-type: none">• Develop data ingestion services to collect customer configurations across multiple cloud service providers. Cover hundreds of CSP services and scale up to 1 millions resources per customer• Design and conduct performance testing of data ingestion under large numbers of cloud assets in Oracle Cloud Infrastructure• Design and develop automation tools pragmatically generate, validate, and test code, and streamline the deployment process. Improve development velocity 20 times to ingest from new data sources• Work with XFN team in oncall rotations. Maintain service availability, investigate and resolve customer escalations and incidents	June 2023 – Aug 2024 Mountain View, CA
Software Engineer Intern <i>Lightspeed and Quantum Game Studios, Tencent</i> <ul style="list-style-type: none">• Scrape a dozen of live-streaming/social platforms to obtain multilingual corpus on certain mobile games• Write scripts to automatically access cloud database and built web application to visualize stored data with flask• Apply natural language processing models to analyze players' opinions on newly released games	May 2020 – Sep. 2020 Shenzhen, Guangdong
Software Engineer Intern <i>China Global Store, Amazon</i> <ul style="list-style-type: none">• Write Python scripts to manipulate data stored in DynamoDB and generate sale receipts• Conduct A/B tests of China retail websites, deliver the desirable behavior to millions of end users• Expand machine learning-backed features to newly launched marketplaces in development environments	Jul. 2019 – Sep. 2019 Chaoyang, Beijing
Research Assistant <i>Department of Electrical and Computer Engineering, University of Virginia</i> Advisor: Assistant Professor Jundong Li <ul style="list-style-type: none">• Researched on anomaly detection with contrastive learning, resulting in one premier conference publication (PAKDD'22)• Designed a graph transformer neural network to predict physical and chemical properties of molecules	Aug. 2021 – May 2022 Charlottesville, VA

PUBLICATIONS

- Shuang Zhou, Qiaoyu Tan, **Zhiming Xu**, Xiao Huang, Fu-Lai Chung, Subtractive Aggregation for Attributed Network Anomaly Detection, *ACM International Conference on Information and Knowledge Management (CKIM)*, 2021
- **Zhiming Xu**, Xiao Huang, Yue Zhao, Yushun Dong, Jundong Li, Contrastive Attributed Network Anomaly Detection with Data Augmentation, *Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD)*, 2022. 🐙 [code](#)
- Afsara Benazir, **Zhiming Xu** (co-first author), Felix Lin, Leveraging cache to enable SLU on tiny devices, *ACM International Conference on Mobile Systems, Applications, and Services (MobiSys)*, 2024. 🐙 [code](#)
- Rongxiang Wang, **Zhiming Xu**, Felix Lin, WhisperFlow: speech foundation models in real time, *ACM International Conference on Mobile Systems, Applications, and Services (MobiSys)*, 2025. 🐙 [code](#)

SKILLS

Languages: Python, C/C++ , Java
Frameworks: Django, PyTorch, Flask, WebSocket
Development Tools: git, bash, Terraform, AWS, Snowflake, Google Cloud Platform, Oracle Cloud Infrastructure
Libraries: PyTorch Geometric, Deep Graph Library, pandas, NumPy, Matplotlib, scikit-learn, SciPy