

EDUCATION	Purdue University , West Lafayette, IN, USA Ph.D., Computer Science, GPA: 4.0/4.0 Advisor: Chunyi Peng	Aug. 2021 – Now
	Columbia University , New York, NY, USA M.S., Data Science, GPA: 3.943/4.0	Aug. 2019 – Feb. 2021
	Columbia University , New York, NY, USA Exchange Student, Statistics, GPA: 3.917/4.0	Jan. 2018 – May. 2018
	Wuhan University , Wuhan, China B.E., Printing Engineering, GPA: 3.87/4.0 (Top 1)	Sep. 2015 – Jul. 2019
PROFESSIONAL EXPERIENCE	Alibaba Cloud , Hangzhou, China Algorithm Engineer (Full-time) <ul style="list-style-type: none">Designed anomaly detection algorithms for 130 min KPIs data based on LSTM with 63% acc.	Mar. 2021 – Jul. 2021
	Tencent (CSIG) , Shenzhen, China Big Data and Algorithm Application Intern <ul style="list-style-type: none">Created an automatic grading system for high school compositions with Transformer.	Jun. 2019 – Jul. 2019
PUBLICATIONS	<ol style="list-style-type: none">J. Guo, S. Xia (co-primary author), and C.Peng. “OPA: One-Predict-All For Efficient Deployment”, in IEEE INFOCOM 2023,J. Guo, S.Xia, and C.Peng. “VPPlus: Exploring the Potentials of Video Processing for Live Video Analytics at the Edge”, in IEEE IWQoS 2022Z. Zhu, X. Li, Z. Wang, L. He, B. He, S. Xia. “Development and Research of a Multi-Medium Motion Capture System for Underwater Intelligent Agents”, Appl. Sci. 2020, 10, 6237.F. Li, B. He, G. Li, M. Ma, J. Li and S. Xia. “Real-time CAD-level surface of revolution reconstruction on visual slam”, in CAC 2020.	
RESEARCH EXPERIENCE	Purdue University, Research Assistant Advisor: Prof. Chunyi Peng <ul style="list-style-type: none">Built a prototype for autonomous drone delivery.Designed a deep learning system with one trained super-network and select its sub-network to fit the target deployment scenario for computer vision applications [1].Designed a system to fulfill the potential to compress video while retaining analytical accuracy[2].	West Lafayette, IN, USA
	Columbia University, Research Assistant Advisor: Prof. Chong Li <ul style="list-style-type: none">Built a platform to use automatic text segmentation and summarization to extract outlines for online courses.Designed a system to allow multiple mobile devices to collaboratively fetch content from the Internet.	New York, NY, USA
	Tongji University, Research Assistant Advisor: Prof. Bin He <ul style="list-style-type: none">Designed a system to do 3D reconstruction and movement tracing for underwater agents [3].Implemented 3D reconstruction of revolution such as vases [4].	Shanghai, China
	Columbia University, Team member Advisor: Prof. Pierre Elias and Prof. Adler Perotte <ul style="list-style-type: none">Analyzed electrocardiogram using deep learning models for the diagnosis of cardiac amyloidosis.	New York, NY, USA
SKILLS	<ul style="list-style-type: none">Programming (C, C++, Python, R, html5, Java), Databases (SQL Server, Spark), Tableau, Tensorflow, Pytorch, Flask, Gunicorn, Docker.	