

XUSHENG “FRED” LIU

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EDUCATION

CARNEGIE MELLON UNIVERSITY	Pittsburgh, PA
<i>Master of Business Administration - MBA (Tepper) & Master of Software Engineering - MSE (SCS)</i>	Dec 2028
<ul style="list-style-type: none">• Dual-degree program combining business strategy with advanced software engineering.• Relevant Coursework: Corporate Strategy, Marketing Management, Operations Management, Finance, Financial and Managerial Accounting, Marketing for Entrepreneurship, Managing People and Teams, Management Presentation	
ROSE-HULMAN INSTITUTE OF TECHNOLOGY	Terre Haute, IN
<i>Bachelor of Science in Computer Science & Mathematics (Double Major)</i>	GPA: 3.50/4.00 May 2021
<ul style="list-style-type: none">• Minors: Entrepreneurial Studies, Data Science• Relevant Coursework: Data Structures & Algorithms, Machine Learning, Artificial Intelligence, Database Systems, Optimization, Mathematical Modeling, Software Requirement Engineering	

EXPERIENCE

CITRIX BUSINESS UNIT · CLOUD SOFTWARE GROUP	Fort Lauderdale, FL & Nanjing, China
<i>Senior Software Engineer</i>	Sep 2025 – Aug 2026
<ul style="list-style-type: none">• Product Management: Led design and development of the billing and cost-prediction system for Citrix Platform Flex, the next-generation managed desktop platform, enabling enterprise customers (e.g., Wipro) to deploy on Azure, AWS, or GCP with minimal configuration at minimum cost.• Customer Transformation: Automated Terraform configuration generation for existing enterprise environments (BlackRock, Barclays), moving customers from manual provisioning to Infrastructure as Code and enabling rapid redeployment for disaster recovery.	
<i>Software Engineer II</i>	Jan 2023 – Aug 2025
<ul style="list-style-type: none">• Multi-Cloud Expansion: Extended Citrix DaaS beyond Azure onto AWS WorkSpaces Core and GCP, broadening platform choice for enterprise customers including Mastercard and Greenberg Traurig.• Market Access: Drove security hardening that earned FedRAMP Moderate certification, a prerequisite for serving U.S. federal agencies, and led the roadmap toward FedRAMP High.• Open-Source Adoption: Led development of the open-source Terraform Provider for Citrix, giving on-premises and cloud customers a standardized path to adopt Infrastructure as Code.• Applied AI: Prototyped an LLM-based log-analysis tool and presented it at an internal hackathon, inspiring product security teams to integrate AI into pre-deployment artifact scans.	
CITRIX SYSTEMS, INC.	Fort Lauderdale, FL
<i>Software Engineer</i>	Jul 2021 – Dec 2022
<ul style="list-style-type: none">• Cost Optimization: Led migration of three projects from .NET Framework 4.8 to .NET Core, improving performance by 50%+ and enabling cross-platform deployment that cut infrastructure cost by 80%.• Internal Adoption: Built internal tools and automated Splunk dashboards for monthly customer-bill validation and product-health monitoring, now adopted company-wide to manage dashboards and alerts as code.• Customer Experience: Delivered features for Citrix Virtual Apps and Desktops and DaaS Standard for Azure, eliminating 200+ bugs to improve product efficiency and security.	
ROSE-HULMAN VENTURES	Terre Haute, IN
<i>Software Developer Intern</i>	Mar 2019 – May 2020
<ul style="list-style-type: none">• Client Modernization: Migrated a labor union's 22-year-old web management platform to .NET Core MVC, strengthening security and maintainability.	

SKILLS & ADDITIONAL INFORMATION

- **Certifications:** Microsoft Certified — Azure Solutions Architect Expert (AZ-305), Azure Administrator Associate (AZ-104), Azure Fundamentals (AZ-900), Azure AI Fundamentals (AI-901).
- **Technical & AI:** Azure, AWS, GCP, Terraform / IaC, FedRAMP, .NET / C#, Python, SQL, R, Splunk; LLM prototyping, Prompt Engineering, AI Agents
- **Publication:** Wollowski, M., Chen, L., Chen, X., Cui, Y., Knierman, J., & Liu, X. (2021). “Engineering Context from the Ground Up.” In Systems Engineering and Artificial Intelligence (Springer).
- **Languages:** Mandarin Chinese (native), English (fluent), German (basic).
- **Interests:** Product Management, Product Marketing, Corporate Strategy, Generative AI