

EDUCATION

University of Illinois Urbana-Champaign (UIUC)	Expected: December 2025
Master of Computer Science	
• Courses Taken: Deep Learning For Computer Vision, Advanced Distributed Computing, Computer Security, Cloud Networking	
Arizona State University (ASU)	August 2020 – May 2024
Bachelor of Science in Computer Science	4.00 GPA
• Courses Taken: Software Design Principles, Operating Systems, Distributed Systems, Computer Networks, Digital Design	

WORK EXPERIENCE

Software Engineer Intern	May 2025 – August 2025
PayPal	Scottsdale, AZ
• Engineered Spring Batch pipeline using Java & Raptor reducing manual SQL fixes by 90% and enabling millions of loan reconciliations.	
• Built idempotent and thread safe batch job architecture resolving data staleness across BigQuery and SOR distributed systems at scale.	
• Optimized BigQuery slot utilization by 75%, saving costs while maintaining system performance and increasing loan processing capacity.	
• Implemented Skip Listeners with concurrent failed record accumulation, performing batch writes achieving 200x faster processing.	
Software Engineering Fellow	January 2024 – May 2024
Andbounds	Remote, USA
• Led CMS & iOS app migration projects for e-commerce focused on scanning and selling custom insoles for podiatry patients.	
• Leveraged TrueDepth sensors and Core ML with TheStandardCyborg library to detect and export 3D foot scans.	
• Migrated iOS application with 40+ pages from storyboard to SwiftUI leveraging MVVM architecture and CocoaPods as PDM	
• Integrated 15+ Shopify’s Rest APIs to the iOS app to authenticate users, fetch order and user details, export scans, and place orders.	
Software Development Engineer Intern	May 2023 – August 2023
Amazon	San Diego, CA
• Built automated orchestration with Lambda, SQS, Java & TypeScript to back-fill a million records, saving developer time by 99%.	
• Architected 1-click reusable cloud stack using AWS:CDK to perform batching for downstream services with rate-limited TPS.	
• Constructed robust error handling mechanism with automated retries for transient errors reducing failure, ensuring 100% data integrity.	
• Tested system end-to-end using JUnit5 achieving 100% code coverage. Deployed real-time monitoring dashboard using CloudWatch .	

PROJECTS

Study Buddy Full-Stack iOS Developer SwiftUI, Firebase, CoreData, C#	
• Engineered an iOS app leveraging MVVM to facilitate collaboration by providing a platform to search, create, and join study sessions.	
• Established Firebase-Auth , offering users sign-in options via Email, Google, and Apple for enhanced authentication flexibility.	
• Implemented local (CoreData) and cloud (Firestore) data storage, ensuring seamless data retention and optimized retrieval processes.	
• Integrated MapKit to allow users to set study session locations. Streamlined navigation process, ensuring accuracy within a 10m range.	
PitchPal ML Engineer PyTorch, Torchvision, OpenCV, CNN, MediaPipe	
• Designed and implemented an AI-powered multimodal analysis system that evaluates elevator pitches using speech and facial cues.	
• Built a nervousness classification model using EfficientNet-B0 trained on custom-labeled facial expressions, achieving 80% accuracy .	
• Integrated eye contact detection using a pre-trained CNN-based facial gaze tracker, to enhance nervousness classification.	
• Developed a fully automated local inference pipeline for video analysis with PyTorch, OpenCV, dlib, and MediaPipe .	
360Torrent Distributed Systems Engineer Python (asyncio), Ansible, tmux, P2P Systems, BitTorrent	
• Developed a Python-based P2P CDN for 360° video, reducing download latency by 42% via geo-aware chunk prioritization.	
• Designed churn-resilient downloader using asyncio , adaptive health checks, and rarest-first strategy; improved reliability by 35%.	
• Deployed system on 20 VMs using tmux, tc, and Ansible , simulating 100+ clients with region-aware network conditions.	
• Integrated popularity matrix at tracker; pre-seeded hot chunks across peers, cutting startup latency by 28%.	

SKILLS

Mobile Development:	iOS {SwiftUI, CoreML, CocoaPods}, Android {Java}
Languages:	Java, Swift, Python, C/C++, TypeScript
Development:	Object-Oriented Design, Software System Design, MVVM Architecture
Tools & Frameworks:	Git, JUnit 5, Spring Batch, Firebase {Auth, Firestore}, CoreData
Cloud Services:	AWS {CDK, Lambda, SQS, S3, CloudWatch}