

HAOQI SHEN

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EDUCATION

Northeastern University	<i>M.S. in Information Systems – Eng. College</i>	Sep. 2023 – Jan. 2026
GPA: 4.0 / 4.0 Courses: ML, Advanced LLMs, Data Science, Full Stack Web Development		
Johns Hopkins University	<i>M.S. in Education</i>	Aug. 2021 – Sep. 2022
GPA: 3.98 / 4.0 Courses: HCI, Cognitive Psychology, Experimental Research		
Nanjing Audit University	<i>Bachelor of Management in Accounting</i>	Sep. 2017 – Jun. 2021
Outstanding Graduate Award USCPA-aligned curriculum: Financial Reporting, Auditing, U.S. Taxation		

WORK EXPERIENCE

Amazon, AWS	<i>Software Development Engineer Intern</i>	May. 2024 – Aug. 2024
<ul style="list-style-type: none">Designed and delivered an internal full-stack platform to crawl, process, and serve web-based training dataSupported Applied Scientists with structured, reproducible input for model training; improved workflow stabilityLed infra design (ECS, EC2, RDS, VPC); deployed containerized pipeline using Python, Docker, CI/CDEnabled scalable, reusable pipelines for internal ML training workflows; adopted by multiple AS teams		
PingAn, AI Lab	<i>AI Solutions Engineer (TPM)</i>	Dec. 2022 – Aug. 2023
<ul style="list-style-type: none">Designed and scoped MVP for Computer Vision-based risk detection system serving banks and insurance clientsCoordinated 4 cross-functional teams to integrate face, object, and behavior recognition into a unified platformLaunched a co-innovation program with banks; reduced manual review by 40% and identified 7 fraud cases in 4 weeksEnabled client-side rule configuration and modular model orchestration to support product generalization		
Tencent, Ads	<i>Product Manager Intern</i>	May. 2021 – Aug. 2021
<ul style="list-style-type: none">Designed and launched targeting experiments to improve conversions for cold-start advertisers in niche verticalsCustomized initial user group rules for clients with limited budget and data; reduced Cost Per Acquisition in A/B testsCollaborated with algorithm and campaign delivery teams to refine audience prefill and evaluate funnel-level performance		
ByteDance, Monetization	<i>Product Analytics Intern</i>	Jan. 2021 – Apr. 2021
<ul style="list-style-type: none">Defined account health metrics adopted across Douyin ops to guide creator retention and ad targetingDelivered performance dashboards used daily to monitor account activity and ad performance across 15+ verticalsStandardized event tracking logic with PM, Eng, and Ops to ensure cross-team data consistencyDrove strategic KPIs to redefine content quality and creator value, influencing monetization across 20K+ Douyin creators		

PROJECTS

Aigotrip: LLM-based Travel Planner	<i>Product Owner & Full-Stack Developer</i>	Jan. 2025
<ul style="list-style-type: none">Defined product direction and led design of an LLM agent to auto-generate structured itinerariesImplemented multi-step agent workflow (preference parsing → selection → recommendation → formatting)Delivered full-stack MVP (React + Flask + Netlify); enabled user profiles and saved plansDemonstrated 90% usability gain over GPT baseline through user study; guided further iteration		

SKILLS

Product Execution:	Agile development, Roadmapping, OKRs, Jira workflows, Sprint delivery, A/B Testing
User & Design:	Cross-functional UX iteration, Prototyping, HCI principles, Figma
Engineering Stack:	Python, JavaScript/TypeScript, SQL; Flask, React, Git, Docker
Cloud Infrastructure:	AWS (ECS, EC2, RDS, VPC), CI/CD pipelines, DNS configuration
ML & Data Systems:	OpenAI API, LangChain, Prompt Engineering, Airflow, PyTorch, Scikit-learn, Tableau