STEVEN L. ZENG

E: zengstevenz@gmail.com | **P**: (908) 635-2487 | **L**: stevenlzeng | **W**: https://stevenzengg.github.io

PROFESSIONAL EXPERIENCE

Google   **New York, NY | Mountain View, CA**
Software Engineer on Cloud Pub/Sub (CPS)   *Jan 2024 – Feb 2025*

- Designed periodic and real-time data pipelines to sync CPS resources with Cloud Asset Inventory, enabling resource management, auditing, and compliance across assets for 50,000+ customers
- Deployed 12 GDPR-compliant regional endpoints and service probers for 2000+ customers across 28 countries
- Reduced time-to-alert from O(hours) to O(5 min) + eliminated caching-induced metric gaps to enhance metrics reliability by developing service probers for metrics-emission APIs + reengineering metric definitions
- Drove collaboration with security and infrastructure teams to build and validate critical test integrations, ensuring secure access, usage restrictions, and network isolation for admin APIs handling 10,000+ qps
- Debugged and resolved 15+ production issues for customers as on-call, impacting 50+ GB/s of traffic

Software Engineer Intern on Google Store   *Aug 2022 – Nov 2022*

- Remodeled 3+ email code flows, introducing integrated logging, error specification & system test support, enhancing email delivery for 10+ million/yr customers
- Orchestrated efforts across 6 teams to align codebases and data representation to drive time efficiency

Amazon   **Seattle, WA**
Software Engineer Intern on Alexa Video   *May 2022 – Aug 2022*

- Designed a content management system for 16 Alexa Video experiences, dynamically delivering content to 3.5M users/day using scaled design (SOLID, factory/builder pattern, composition preference) + robust API contracts
- Integrated CMS algorithm pulling data from BI metrics and approved by 2 department leads

AT&T   **Dallas, TX**
Data Engineer (Python)   *Jul. 2023 – Dec. 2023*

- Automated materials subrogation pricing system to detect and adjust price differentiation (+$.75M/yr profit)
- Leveraged Azure Container Storage and Databricks to build and integrate ETL pipeline e2e
- Pioneered a unified, personalized scrum implementation for a team of 8+ engineers

CarMax   **Richmond, VA**
Software Engineer Intern on Order Processing Capabilities   *Jun. 2021 – Aug. 2021*

- Built 11+ REST server-side data pipelines for DevOps velocity measurement tool driven by DORA metrics
- Interfaced securely with GitHub webhooks via SHA-256 hash signature verification to pull routine metrics
- Streamlined NoSQL document schema to reduce cross-partition hits by >30% within Azure Cosmos DB
- Designed and created MVP with site-wide user-testing, earning $3000+ for further funding as 20% project

EDUCATION

Pennsylvania State University|*Cumulative GPA: 3.79*
B.S. Computer Science | B.S. Applied Statistics | Minors: Engineering Leadership Development, Math

PROJECTS

Image Recognition Neural Networks (Python, CUDA) (tinyurl.com/mgnet1)   *Aug 2020*

- Trained ML models to achieve 95%+ precision on large datasets (e.g., CIFAR-10, MNIST with 60K+ entries)
- Integrated MgNet's regressive feature extraction, optimizing classification accuracy and computational efficiency

SKILLS

Languages: Python, C++, Java, C, SQL, HTML5, CSS, R, SAS
Frameworks: PySpark, NodeJS, Agile (Kanban and Scrum), React, React Native, NativeScript,
Tools: Git/GitHub, Azure, GCP, Jupyter, Docker, Kubernetes, Firebase, Terraform
Certifications (current & expired): Databricks ML Pro, Google Foundations of PM, SAFe 5 Advanced Scrum Master, SAFe 6 Agile PM, SAFe 6 Scrum Master, ACE Personal Fitness Trainer