

Steven Vu

Houston, TX | Open to relocation | 346-715-1119 | stevvvu2002@gmail.com | linkedin.com/in/stevvu/

Education

University of Houston

Bachelor of Science in Computer Science | GPA: 3.8

Houston, TX

2026

Experience

Amazon

June 2025 – Aug 2025

Software Engineering Intern – Search Experience Team

Seattle, WA

- Architected and tested an OOP impression-control service in Python on AWS, enforcing exposure caps for 10M+ daily users with p99 latency under 25ms during peak traffic.
- Implemented Redis TTL schemas and unit/load tests with coverage dashboards, instrumenting telemetry to verify accuracy at 5M+ requests/hour and guide safe, high-quality releases.

Roblox

Feb 2022 – Present

Software Developer - Heroes Battlegrounds

Remote

- Spearheaded Heroes Battlegrounds live-ops development, scaling to 1B+ visits and 20K+ CCU while sustaining \$2M+ annual revenue through event drops and balanced progression
- Engineered Lua gameplay and replication systems for large lobbies, reducing desync and input lag via server-authoritative state, delta updates, and profiling under peak load
- Improved monetization by designing game passes and cosmetics, A/B testing price points and funnels, and iterating store UX to lift conversion and average revenue per user
- Coordinated with 20+ developers across design, QA, and art, triaging bugs, shipping weekly releases, and documenting specs to keep roadmap delivery predictable
- Built performance tooling and telemetry dashboards, identifying hot paths and memory spikes to cut server tick latency 20% and stabilize frame times during peak traffic

Houston Housing Authority

June 2024 – Aug 2024

Software Engineering Fellow

Houston, TX

- Built modular Python PDF parsers with PyTest and data validation, automating ingestion and cutting retrieval time 40% while improving accuracy through schema tuning and query optimization.
- Integrated Freshdesk data into SQL dashboards with telemetry, and automated IT tasks via cron and batch scripts, reducing manual workload 25% and surfacing resolution trends for staff.

Projects

Distributed Chat Service | Java, WebSockets, Redis, Kafka, Docker, AWS

- Designed an object-oriented Java chat service with auth and persistence; built JUnit tests, validated ordered delivery via event streaming, and sustained 50K+ concurrent simulated users under containerized deployment.

Technical Skills

Backend: Java, Python, C++, SQL, OOP, REST APIs, Redis, Kafka, WebSockets

ML/AI: scikit-learn, XGBoost, Pandas, NumPy, feature engineering, model evaluation

Cloud: AWS (S3/Lambda/EMR/ElastiCache/CloudWatch), Docker, Kubernetes, CI/CD, Git, PyTest, JUnit, Selenium