

Steven Vu

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Education

University of Houston

Bachelor of Science in Computer Science / GPA: 3.8

Houston, TX

2026

Experience

Amazon

Software Engineering Intern – Search Experience Team

June 2025 – Aug 2025

Seattle, WA

- Architected and tested scalable OOP Python service on AWS capping impressions for 10M+ users, p99<25ms.
- Implemented Redis TTL schemas and unit/load tests with coverage; instrumented telemetry for 5M+ req/hr.

Roblox

Software Developer - Heroes Battlegrounds

Feb 2022 – Present

Remote

- Led live-ops for Heroes Battlegrounds, scaling to 1B+ visits and 20K+ CCU with stable releases.
- Engineered Lua gameplay and replication, reducing desync and input lag via authoritative state and profiling.
- Improved monetization via game pass design and A/B tests, iterating store UX to lift conversion.
- Coordinated cross-team delivery with 20+ contributors in design and QA, triaging bugs and shipping weekly.
- Built performance tooling and telemetry dashboards, cutting tick latency 20% and stabilizing peak frame times.

Houston Housing Authority

June 2024 – Aug 2024

Software Engineering Fellow

Houston, TX

- Built modular Python PDF parsers with PyTest and validation, automating ingestion and cutting retrieval 40%.
- Integrated Freshdesk data into SQL dashboards with telemetry; automated jobs, reducing manual workload 25%.

Projects

Distributed Chat Service

- | Java, WebSockets, Redis, Kafka, Docker, AWS
- Architected and tested OOP Java chat service with auth and persistence, sustaining 50K+ concurrent users.

Technical Skills

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

Data: SQL (schema tuning, query optimization), Kafka, telemetry

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