

WORK EXPERIENCE:

NVIDIA

May 2025 - April 2026

Autonomous Vehicle Test Expert (AVX), Contract | Santa Clara, CA

- Validated NVIDIA DRIVE autonomous vehicle software and hardware across real-world and controlled test environments in multimodal driving programs.
- Flashed builds, ran feature-specific test cases, and documented hardware and software issues for triage and root cause analysis.
- Reviewed and labeled real-time autonomous driving behavior, identified edge cases, and supported issue triage and feedback workflows.
- Performed sensor calibration, data logging, and Linux-based diagnostic workflows for autonomous vehicle testing.
- Partnered with cross-functional teams to troubleshoot operational issues, ensure accurate test execution, and resolve defects.
- Trained and onboarded new hires on test workflows, vehicle procedures, and daily execution.

Tata Consultancy Services

Dec 2021 - Dec 2023

Assistant Systems Engineer | San Jose, CA (Remote)

- Built automation workflows and validation logic in ServiceNow using Flow Designer, business rules, and JavaScript.
- Improved system reliability and reduced manual work through workflow, UI logic, and edge-case refinement.
- Managed platform changes across development, test, and production environments using Agile workflows and CI/CD release processes.

Shapescape ApS

Feb 2016 - Feb 2019

Game Systems Designer, Minecraft | San Jose, CA (Remote)

- Built scripted interactive environments for educational and client-facing Minecraft projects.
- Tested game system features, identified bugs, and improved stability, consistency, and cross-platform user experience.
- Automated repetitive tasks and supported iterative development in a remote team environment.

PROJECTS:

- **Motorsports Telemetry Analysis** (2017 - Present) Collected and analyzed vehicle telemetry to evaluate vehicle dynamics, compare sessions, and assess behavior under demanding conditions.
- **Python Phylogenetic Analysis** (Final Project, CS 123B – Bioinformatics II, 2021) - Conducted genetics data analysis on 44 related species using BioPython. Performed multiple sequence alignments of mRNA sequences and generated phylogenetic tree diagrams.
- **Twitch.tv Users Network Analysis** (Final Project, CS 185C – Social Network Analysis, 2020) - Collected and analyzed Twitch user data using Python, Gephi, and R to identify community clusters and network properties and generate insights into user behavior.
- **Bookstore Prototype Project** (Final Project, CS 160 – Software Engineering, 2019) - Developed a Java-based software project with modular application logic, data persistence, search functionality, and tested business logic.

CERTIFICATIONS:

- **Hands-on Introduction to Linux Commands and Shell Scripting** – IBM (Coursera) | *Certified Oct 2025*
- **Automotive High Voltage Certification Training (HV1 & HV2)** – NVIDIA | *Certified May 2025*
- **BERTHA – Autonomous Vehicle Safety & Direct Fault-Injection Driving Assessment** – Mercedes-Benz Research & Development North America | *Certified Jul 2025*
- **T1/T2 Professional Driver Safety Training** – Mercedes-Benz AG | *Certified Jun 2025*
- **Automotive Environment Safety and Awareness Training** – NVIDIA | *Certified May 2025*

EDUCATION:

Bachelor of Science in Computer Science
San José State University | San Jose, CA

Aug 2021

Skills

Programming: Python, JavaScript, Java, Bash

Testing & Validation: ADAS/AV validation, manual testing, regression testing, scenario-based testing, black-box testing, defect triage, edge-case analysis

Systems & Tools: Linux, Git, ServiceNow, Jira, CI/CD workflows

Automotive: Autonomous driving systems, active safety testing, automated parking tests, sensor calibration, data logging, test documentation, L2/L2+/L2++ systems, CANalyzer, OBD-II

Data & Analysis: Telemetry analysis, NumPy, R, KPI tracking, statistical analysis