Shrey Satpathy

https://shreysatpathy.github.io/

shreysatpathy@gmail.com | 919.344.1548 | 646 9th Avenue, Menlo Park, CA

EDUCATION

GEORGIA TECH
MS in Computer Science
August 2018 - May 2021

NC STATE UNIVERSITY
MS and BS Nuclear Engineering
August 2012 - May 2017

LINKS

Personal Website: // shreysatpathy
LinkedIn: // shreysatpathy

COURSEWORK

Reinforcement Learning
Artificial Intelligence for Robotics
Knowledge Based Artificial Intelligence
Software Analysis
Computer Networks
Machine Learning for Trading
Machine Learning
Bayesian Statistics

SKILLS

PROGRAMMING

Languages:
• Python • C# • JavaScript
• Java • LaTeX

AI/ML Toolbelt:
• pandas • numpy • tensorflow • pytorch
• sklearn • scipy • langchain • llamaindex
• ray • dask • pyspark • MLFlow

Platform Toolbelt:
• kubernetes • docker • all major cloud
providers • Spark • PostGres • Cassandra
• Blob storage • Flask • FastAPI

Observability Toolbelt:
• Loki (Logs) • Prometheus (Metrics) •
Grafana (Viz) • Tempo (Traces) •
OpenSearch / ELK stack

EXPERIENCE

C3 AI | Senior Product Manager - AI Platform
August 2023 - Present | Redwood City, CA
- Launched several 0 -> 1 observability features for developers building on our platform. Infrastructure and application monitoring, alerting, and profiling.
- Developed and deployed a solution to benchmark build quality based on observability data collected during a running build. Provided early signals of software instabilities for the platform engineering organization.
- Brought in vendor (Grafana Labs) for central observability tooling for internal cloud operations thereby saving $3M in internal R&D and support costs.
- Introduced Agents in our AI studio product to boost developer productivity.

C3 AI | Staff Data Scientist & Instructor
May 2021 - August 2023 | Redwood City, CA

- Delivered workshops, lectures, blogs and instructional content for the ML Platform and the Reliability Product.
- Took responsibility as the ML Tech lead for C3 AI Reliability Product.

OSISOFT | Developer Support Engineer
September 2017 – May 2021 | San Leandro, CA
- Product Specialist for OSIsoft's developer technologies suite
- Debugging, profiling and analyzing memory dumps from production systems for root cause analysis. (Windbg and Visual Studio debugger)
- Teaching workshops and trainings for customers as well as internal on-boarding.
- Publishing customer-facing documentation regarding known issues and best practices for designing solutions with our software infrastructure.

PROJECTS

Agents in AI Studio | C3 AI

Performed initial R&D,scoping and design of the Agentic experience in AI Studio. Tractable use-cases include: root cause analysis of issues, application navigation and documentation search.

Latent Representations of software quality | C3 AI

Designed and led implementation of system for dynamic software analysis using observability data (logs, metrics, traces) during builds to ensure that performance and stability bugs are caught earlier on in the software development lifecycle.

AI in Reliability Engineering | C3 AI

Thought leadership (link) on AI for physical systems. Applied towards modeling degradation of thermal hydraulic flow systems.

Multi-phase Research Lab | NC State

Worked with **Dr. Igor Bolotnov** on developing capabilities for high-resolution multi-phase computational fluid dynamics methods for Light Water Reactor accident scenarios.