

Test Person

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EDUCATION

Massachusetts Institute of Technology

Computer Science

Cambridge, MA

Sep 2021 - Jun 2025

TECHNICAL SKILLS

Programming Languages: Python, C++, C#, Ocaml

Libraries and Tools: PyTorch, Sklearn, Pandas, Numpy, OpenCV, Git, Docker, Azure

ML Architectures: CNN, YOLO, Transformers(BERT, LSTM), RAFT

WORK EXPERIENCE

Software Engineer

Tesla

Jun 2025 - Present

- Designed and implemented backend services for vehicle telemetry processing using Python and C#, handling millions of events per day.
- Built data ingestion pipelines using Azure Event Hubs and Azure Functions to process real time sensor data.
- Wrote unit and integration tests, enforced code quality through code reviews and CI pipelines.

Software Engineer Intern

Jane Street

Jun 2024 - Sep 2024

- Developed low latency trading infrastructure components in C++ with strict performance and correctness requirements.
- Built internal tooling in Python for analyzing trading signals and strategy performance.
- Gained experience with Linux systems, profiling tools, and debugging complex concurrency issues.

Co-Founder

Stealth Startup

Feb 2022 - Nov 2024

- Built the initial product end to end, including backend APIs, data storage, and ML powered features.
- Designed and trained computer vision models using PyTorch for real time image and video analysis.
- Deployed services using Docker and cloud infrastructure, handling authentication, monitoring, and logging.

PROJECTS

- Autonomous Driving Perception System**, Implemented object detection and lane segmentation pipeline using YOLO and CNN based architectures. [GitHub](#)
- Algorithmic Trading Simulator**, Built a full backtesting engine in Python to simulate trading strategies on historical market data. [Try it!](#)
- Real Time Video Analytics Platform**, Developed a video processing system using OpenCV and deep learning models for object tracking. [GitHub](#)
- Distributed ML Training Framework**, Built a framework for running ML experiments with configurable datasets, models, and metrics. [Try it!](#)