Can Koz

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EDUCATION

University of Oxford - *MSc Advanced Computer Science (Merit)* *Oct 2023 - Oct 2024*
Awarded Thesis: Multiview Diffusion for Deformable Object Generation

Koc University - *BSc Computer Engineering (3.82/4.00)* *Sept 2022*
Top 10

UC Berkeley - *Summer Sessions* *Jun 2019 - Aug 2019*
Computer Science: CS61A: Structure and Interpretation of Computer Programs | Awarded: Hog Champion

WORK EXPERIENCE

AI Engineer - Zero One Creative LTD *Aug 2025 - Oct 2025*
- Optimized large language model ensembles for spatial reasoning benchmarks and inference speed, cutting 3D scene generation latency by 50%.
- Validated visual language model (VLM) fine-tuning processes, identifying and eliminating ineffective methods.
- Delivered advanced voice-to-text functionality to enhance user experience.
- Integrated MirageLSD: The First Live-Stream Diffusion AI Video Model by Decart AI.

AI Engineer - V-Nova LTD *Oct 2024 - Jul 2025*
I worked with the PresenZ team on enhancing immersive movies using 3D Computer Vision.
- Developing 3D reconstruction algorithms using Python, Pytorch and NVIDIA Kaolin.
- Used Gaussian Splatting and SVRaster to 3D reconstruct scenes from 2D Priors.
- Used Multi-view diffusion to increase 3D reconstruction quality of shapes.

AI Consultant - Independent Contractor - Remote *May 2025 - Present*
- Developed and deployed a Retrieval-Augmented Generation (RAG) pipeline for FTSE 100 financial documents, leveraging a custom-built PDF parser to extract and normalize structured information from diverse formats for rapid analysis.
- Designed a dedicated prompt optimizer to enhance retrieval relevance, query efficiency, and search accuracy for fund analysts.
- Built a Model Context Protocol (MCP) framework for custom agent creation for automatically scheduling Google Calendar events and sending e-mails and placing phone calls.

LLM Engineer - Remote *Dec 2022 - Aug 2023*
- Fine tuning LLAMA 2 on a privately held dataset with the aim of automating brokers' tasks.
- Joint pruning and quantization on LLMs (Alpaca, LLAMA 1 & 2) for performance benchmarking.
- Deployment of LLAMA 2 based chatbot on Amazon AWS.

Computer Vision Engineer - Remote *Jun 2022 - Aug 2023*
- Spiking Neural Networks on event based video.
- Neuromorphic Deep Learning and Event-based vision.
- Simulation for AI models.

Oracle - Software Engineering Intern *Jun 2019 - Aug 2019*
I worked as a software engineer intern with Oracle Team.
- Improved the run time of existing SQL Queries by 20% through code refactoring/rewriting.
- Visualized existing data according to requirements.
- Worked as an open source contributor to All Data Management Project which utilized Apache Hadoop.
- Held, attended coding sessions on weekly online meetings and presentations.

TUBITAK Space - Computer Vision Lab Intern *Dec 2018 - Jan 2019*
- Learned the fundamentals of computer vision on Inria Holidays dataset.
- Applied Histogram of Oriented Graphs and other feature descriptors using OpenCV on datasets provided by TUBITAK Space Technologies Research Institute.
- Built a simple image search program which runs HOG Descriptor.
- Used queries to make my image search program faster.
- Successfully calculated the accuracy of my feature descriptor.

Nokia - R&D Intern *Jul 2018 - Aug 2018*
- Design UI by using Java for gateways which will soon enable wireless 5G networking in Turkey.
- Design and implement UI that runs on Debian Kernel for ARM Devices.
- Built UI using Java which supervises 2 million+ of nodes / gate-ways located around Turkey.
- Implement controls to complete tasks faster for operating systems, software, and data.

PUBLICATIONS

Multi-task Learning for Optical Coherence Tomography Angiography (OCTA) Vessel Segmentation
*Medical Imaging Meets **NeurIPS, 2023***

Data Augmentation of Engineering Drawings for Data-Driven Component Segmentation
IDETC-CIE, 2022

Flaw Detection in Metal Additive Manufacturing Using Deep Learned Acoustic Features
*Machine Learning for Engineering Modeling, Simulation, and Design Workshop at **NeurIPS, 2020***