

# Can Koz

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## EDUCATION

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**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

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**AI Engineer - Zero One Creative LTD** *Aug 2025 - Oct 2025*  
– Optimized LLM ensembles for spatial reasoning and 3D scene generation, cutting latency by 50%.  
– Standardized VLM fine-tuning and shipped production voice-to-text in a real-time diffusion video pipeline.  
– Acted as a technical point of contact for internal stakeholders, clarifying requirements and prioritizing model and infrastructure improvements.  
– Summarized latency, quality, and usage metrics for LLM and VLM features, helping leadership prioritize the most impactful model and infra improvements.

**AI Engineer - V-Nova LTD** *Oct 2024 - Jul 2025*  
– Built 3D reconstruction algorithms (PyTorch, Kaolin, Gaussian Splatting, SVRaster) for immersive volumetric movies.  
– Applied multi-view diffusion to improve deformable-shape quality and aligned delivery with product/content teams.  
– Collaborated with engineers and artists to debug reconstruction artefacts and iterate quickly on pipeline changes.

**AI Consultant - Independent Contractor – Remote** *May 2025 - Present*  
– Designed a RAG pipeline over FTSE 100 filings with custom PDF parsing for structured, near real-time insights.  
– Built MCP-based agents for scheduling, email, and calls, and led stakeholder workshops to shape AI system design.  
– Scoped projects, managed timelines, and communicated progress and risks to senior, non-technical clients.

**AI Engineer - Stealth Startup - Remote** *Jun 2022 - Aug 2023*  
– Fine-tuned LLaMA-2 on brokerage data and ran pruning/quantization studies on Alpaca/LLaMA 1/2.  
– Deployed a LLaMA-2 chatbot on AWS cloud infrastructure with a monitored, reliable serving stack.  
– Partnered with product and operations teams to translate broker workflows into LLM capabilities and evaluation metrics.  
– Researched neuromorphic deep learning and spiking neural networks on event-based video for low-latency perception tasks.  
– Built simulation pipelines to generate synthetic event-camera data for experimentation and model benchmarking.  
– Documented research findings and presented results to technical and non-technical stakeholders to guide roadmap decisions.

**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 Gradients 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

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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, JCISE 2024*

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