

Mikus Sturmanis

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Summary

Dynamic and innovative engineer with a passion for pushing the boundaries of technology in compute-restricted environments. **Co-author** of **SwarmFormer**, a groundbreaking transformer architecture, and a sole developer of cutting-edge autonomous driving models meticulously optimized for resource-limited hardware.

Technical Skills

- **Languages/Frameworks:** Python, C, TypeScript, NumPy, OpenCL, CUDA
 - **Tools/Platforms:** Azure, AWS, PyTorch, Git
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Experience

Takara.ai - UK | Frontier Research Team | 2025 - Present

- **Pioneered** the development of [SwarmFormer](#), revolutionizing efficiency in compute-restricted environments.
 - Spearheaded a [high-performance C implementation](#) of SwarmFormer, achieving unprecedented optimization in memory usage and processing speed.
 - Executed comprehensive benchmarking and profiling strategies, dramatically enhancing inference efficiency and setting new performance standards.
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Publications

[SwarmFormer: Local-Global Hierarchical Attention via Swarmed Token Representations](#) (2025)