



<http://exodao.net>

ExoChat Commons Team

ExoChat is a sub-project of ExoDAO Network Association's project ExoDAO. The project is tasked to develop a fully self-contained 100% open source reference implementation of a human centric paradigm for search enhanced generative Q&A: Augmented Large Language Model Information Retrieval (ALLMIR) designed to meet the demands of energy/resource efficiency, governance, safety and plesiochronousity (minimized update hysteresis).

ExoDAO Network Association:

Founded in Zurich, Switzerland in 2022, it is tasked to develop a decentralized concept to catalyze the digital commons, prioritizing user privacy, transparency, inclusion, energy efficiency and information discovery. It is housed both within the SPH (Student Project House) of the Swiss Federal Institute of Technology (ETH Zurich) and in Munich within the Zimmermann & Zimmermann Research GbR.

Development Team Core:

Yoel Zimmermann from Munich is currently a student at ETH Zurich in Interdisciplinary Sciences. He is also a visiting researcher at Harvard University (2023/24) in Eric Heller's group (Chemical Physics) and at ETH part of the [Theoretical Molecular Quantum Dynamics](#) group. A passion for ML, he is also a T.A. for the IML (machine learning) course offered by the Learning & Adaptive Systems Group at ETH. Yoel is currently working on advanced interpretable chemical language models addressing the pivotal challenge of explainability in AI driven chemical research at ETH Zurich.



<https://www.linkedin.com/in/yoelzimmermann/>

Edward Zimmermann is an American researcher based in Munich. An Internet pioneer, his work in AI, computer networking and systems reaches back to the 1970s. He has widely contributed to Open Source projects and is the author and designer of re-lsearch. As an advocate for standardization, he has been a key contributor to a number of IT standards (ISO, NISO, IETF, OASIS, W3C, PDF/A et al), StandICT fellow and contributor to [EUOS](#).



He has spoken at a number of conferences including several NVIDIA's GTCs, FOSDEMs and academic conferences. He also occasionally teaches since 2018 topics, mainly throughout Europe, around AI/ML and HPC with a favorite focus on algorithmic acceleration methods and technologies.

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Supporting Developer:



Ole Mueller from Berlin holds a Msc from ETH Zurich in Engineering. The focus of his interest is on machine learning and large scale distributed P2P systems. He, like Edward and Yoel, is a co-founder of the ExoDAO Network Association and member of the board.

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Development Platform:

Instead of costly GPU data-servers we aim to target accessible self-hosted energy efficient platforms. As initial target we're looking at Apple silicon (MacBook Pros, max 80w), NVIDIA embedded (Orin 64, max 50w) and higher end gaming PCs (RTX-3090/RTX-4090, less efficient but still typically under 500w). With some new developments such as BitNet b1.58 we hope to be able to reduce the hardware demands towards even more affordable platforms.

Main core development is in portable C/C++ and Python.