

Kristóf Váradi  
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github.com/leakedweights

## Education

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| Budapest University of Technology and Economics<br>Computer Engineering, B.Sc.<br>– Specialization: Systems Engineering<br>– Coursework: Language Models for Predicting Clinical Trial Outcomes<br>– Notable courses: Information Theory, Probability, Artificial Intelligence<br>– GPA: 5/5 (prev. semester) 3.84/5 (cumulative) | 2021 - 2025 |
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## Experience

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| HUN-REN Wigner Research Centre for Physics<br>Research Assistant, Quantum Information and Complex Systems Research Group<br>– Contribution to Operations Research and Quantum Computing projects.   | 2024 - present<br>Budapest |
| Budapest University of Technology and Economics<br>Teaching Assistant, Databases (BMEVITMAB04)<br>– Teaching laboratory classes for second-year undergraduate students.<br>– Relational Database Design, SQL and Query Optimization within Oracle Database. | 2023 - present<br>Budapest |
| Evosoft (subsidiary of Siemens)<br>Full-Stack Developer (internship)<br>– Development of cloud infrastructure with AWS and Terraform.<br>– Development of REST APIs and single-page applications.   | 2022 - 2023<br>Budapest    |

## Talks, Workshops

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| Pécs Workshop on Quantum Information<br>Cliques Search on Erdős-Rényi Graphs – Methods for D-Wave Quantum Annealers | May 10th, 2024 |
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## Software Projects

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| Mincy<br>Improved Consistency Models in JAX, source: leakedweights/mincy<br>– Tools & technologies: JAX, Flax<br>– JAX implementation of <i>Improved Techniques for Training Consistency Models</i> .   | 2024 |
| Thorium<br>An API to create AI chat applications with semantic search, source: leakedweights/thorium<br>– Tools & technologies: Python, AWS, FastAPI, Terraform, Langchain<br>– Retrieval-Augmented chat with ChatGPT using the OpenAI API<br>– Embedding creation and storage with the OpenAI API, DynamoDB and Pinecone<br>– Automated deployment to AWS Fargate using GitHub Actions and Terraform | 2023 |

## Skills and Technologies

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Programming Languages: Python, TypeScript  
Cloud/Databases: AWS, SQL, Terraform, Docker  
Languages: English (C1), Hungarian (Native), German (Elementary)