

Kristóf Váradi
Computer Engineering
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github.com/leakedweights

Education

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| Budapest University of Technology and Economics Computer Engineering, B.Sc. – Specialization: Systems Engineering – Coursework: Language Models for Predicting Clinical Trial Outcomes – Notable courses: Information Theory, Probability, Artificial Intelligence – 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 Research Assistant, Quantum Information and Complex Systems Research Group – Contribution to Operations Research and Quantum Computing projects. | 2024 - present Budapest |
| Budapest University of Technology and Economics Teaching Assistant, Databases (BMEVITMAB04) – Teaching laboratory classes for second-year undergraduate students. – Relational Database Design, SQL and Query Optimization within Oracle Database. | 2023 - present Budapest |
| Evosoft (subsidiary of Siemens) Full-Stack Developer (internship) – Development of cloud infrastructure with AWS and Terraform. – Development of REST APIs and single-page applications. | 2022 - 2023 Budapest |

Talks, Workshops

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

Skills and Technologies

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