DZHENGIZ YALMAZ

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LinkedIn profile

Education

BSc Computer Science, Queen Mary University of London (achieved 2:1) **2022-2025**
Modules include: Object Oriented Programming, Algorithms and Data Structures, Database Systems, Software Engineering, Web Programming, Operating Systems, Neural Networks and Deep Learning.

Final Year Project: Optimizing Deep Neural Networks for Faster Inference
- Engineered a model compression pipeline for ResNet-18 using the CIFAR-10 dataset, utilizing Python and PyTorch.
- Achieved a 98% reduction in model size (42.66MB to 0.71MB) and a 10x speedup in inference latency (4.5ms to 0.44ms on ONNX runtime) by implementing Knowledge Distillation combined with INT8 Quantization.
- Analysed the trade-offs between FLOPs, memory usage, and precision, demonstrating that significant efficiency gains could be reached while maintaining >91% accuracy (vs 92.8% baseline).
- Authored a 10,000-word technical report detailing the experimental framework and benchmarking results across various pruning ratios and combined methods, critically analysing the trade-offs between computational efficiency and model accuracy.

Computer Science and Mathematics, Newham College Access to Higher Education **2021-2022**
- 45/45 Distinction + 15/15 Ungraded

Technical Projects

Pet Minder Application (Software Engineering Module)
- Co-developed a web-based matchmaking platform connecting pet owners with minders using React and Node.js.
- Implemented core functionality including geolocation-based search, user testimonials, and real-time availability filtering.
- Collaborated in an Agile team using Git for version control and produced comprehensive UML documentation.

Block Puzzle Game Development (Further OOP Module)
- Implemented the core game logic and state management for a puzzle application, adhering strictly to the MVC (Model-View-Controller) architectural pattern.
- Extended a skeleton codebase by applying OOP principles (Inheritance and Encapsulation) to complete the game loop, score tracking, and user interaction handling.

Work Experience

Kitchen Assistant/Cook | QM Students Union, London | Sept 2024 – Oct 2025:
- Maintained high standards of service and time management in a fast-paced environment while balancing full-time academic studies.

Teaching Assistant | Vibe Teacher Recruitment, London | Feb 2021 – Dec 2021:
- Supported student development and communicated complex concepts clearly , demonstrating adaptability and reliability.

Other Skills

Languages: Java, JavaScript, Python, C#, SQL(MySQL / H2), HTML5, CSS3
Frameworks & Libraries: Spring Boot, Spring Data JPA, React, Node.js , Axios, PyTorch
Tools & Platforms: Git, GitHub, Maven, Gradle, Linux/Unix
Concepts: RESTful APIs (JSON), MVC Architecture, OOP, Data Structures and Algorithms, Agile/Scrum