
Education

University of Birmingham Sep 2022 – Jun 2025
BSc Computer Science (**First Class Honours**)

- Relevant Coursework: Algorithms, Data Structures, Operating Systems, Machine Learning, NLP

NTUU "Igor Sikorsky Kyiv Polytechnic Institute" Sep 2021 – Jun 2022
BSc Computer Engineering

- Top-performing student in foundational Programming, Circuits, and Logic Design courses

Experience

Military Linguist Jul–Aug 2022, 2023, 2024
WorldWide Language Resources - Operation Interflex UK

- Provided real-time interpretation of commands and safety instructions during tactical exercises
- Facilitated seamless communication between departments, reducing operational errors

Projects

Job Tracker Application (Django DRF, React, JWT)

- Developed full-stack job application tracking system with user authentication and data visualization
- Implemented Django REST Framework backend with JWT authentication and React frontend dashboard
- Built features including job data tables, application status tracking, and document upload functionality
- Planning to integrate CI/CD pipeline with GitHub Actions for automated deployment

Educational Algorithm Visualization Platform (Python, PyTorch, FastAPI, React)

- Built custom NNUE network for chess evaluation, improving Sunfish engine performance
- Created interactive visualizations for pathfinding algorithms (BFS, DFS, A*) and Minimax decision trees
- Integrated ML and NLP methods to enhance learning tools with intelligent feedback features

Reminder Application (React, FastAPI, Celery, Docker)

- Containerized task scheduling application with background job processing using Celery workers
- Implemented JWT authentication and SQLAlchemy ORM for secure data management
- Orchestrated multi-container deployment with Docker Compose for scalable architecture

Skills

- **Languages:** Python, JavaScript, TypeScript
- **Frameworks:** Django, FastAPI, React, Next.js
- **Tools & Technologies:** Docker, Git, Celery, PyTorch, SQLAlchemy
- **Databases:** PostgreSQL, MongoDB
- **Familiar:** C++, Node.js, AWS, Linux, GitHub Actions
- **Spoken Languages:** English (Fluent), Ukrainian (Native), Russian (Fluent)