Fotih Turopov

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EDUCATION

Case Western Reserve University — Cleveland, OH
Bachelor of Science in Computer Science, Minor in Business Management — *Aug. 2024 – May 2028*

Dean's Honor List (2025, 2026)

EXPERIENCE

Machine Learning Research Assistant — Jan. 2025 – Present
Case Western Reserve University, with Prof. Shuai Xu — *Cleveland, OH*

- Conducted literature reviews on deep learning, neural networks, and MoE models to identify research gaps.
- Assisted in designing experimental pipelines to evaluate model performance and architectural tradeoffs.
- Collaborated with faculty and graduate researchers to discuss model design choices and future experiments.

Member of Robotics Software team — Sept. 2025 – Present
CWRUbotix, MATEROV — *Cleveland, OH*

- Developed ROS-based Python nodes for simulated robot control during internal bootcamp training.
- Configured Raspberry Pi Zero 2 W as a camera-streaming node for a USB-based photosphere imaging system.
- Designed and implemented real-time computer vision pipelines using ROS, FLIR cameras for object detection.

Office Assistant — Sept. 2024 – Present
Weatherhead School of Management, CWRU — *Cleveland, OH*

- Prepared 200+ personalized mailings and gift packages for donors and alumni, supporting engagement.
- Managed inventory tracking for 2,500+ items using Excel, ensuring real-time accuracy for events and operations.
- Coordinated outgoing shipments and internal package distribution for faculty, ensuring timely delivery.

Social Chair — May. 2025 – Present
Muslim Students Association, CWRU — *Cleveland, OH*

- Planned and led various large-scale student events throughout the academic year (50-100+ attendees).
- Worked with the executive board to allocate budget and prioritize spending across events.
- Additional involvement, Ramadan Events (2025)

PROJECTS

Personal Portfolio website | *SCSS, CSS, JavaScript, HTML* — June 2024 – Present

- https://fotiht.github.io/
- Integrated GitHub repositories to showcase technical projects, resume, and ongoing development work.

Neighborhood Navigator | *Python* — May 2025

- Built a terminal-based Python application to filter and rank housing options using multi-criteria decision logic.
- Implemented weighted scoring, sorting algorithms, and user-defined constraints

Virtual Pet Simulator | *Javascript* — May 2024

- Developed an interactive JavaScript-based virtual pet game with decision-driven gameplay.
- Implemented shop/economy mechanics, state management, and persistent inventory tracking

TECHNICAL SKILLS

Languages: Python, Java, JavaScript
Tools and Platforms: Git, GitHub, ROS, Ubuntu, VS Code, PyCharm, IntelliJ, PyTorch, TensorFlow
Software: Microsoft Office Suite (Excel, Word, PowerPoint)
Soft: Public Speaking, Event Planning, Communication, Problem Solving, Leadership Development