SHAHADDIN GAFAROV

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AREAS OF INTEREST

Artificial Intelligence, Computer Vision/Graphics, Robotics

EDUCATION

Bachelor of Science in Computer Science, University of South Florida   2021 - 2024
GPA: 3.81/4.00   Tampa, FL

SKILLS

Platforms	Android, iOS, Linux, Mac OS X, Windows 7/8/10/11
Programming Languages	Assembly, C, C++, C#, CSS, HTML, JavaScript, Python, SQL
Tools/Libraries	Angular, CoppeliaSim, NumPy, OpenCV, Overleaf, PyTorch, ROS, TensorFlow

EXPERIENCE

Undergraduate Research Assistant   Dec 2023 - Dec 2024
University of South Florida   Tampa, FL

- Defining robotic systems for benchmarking and developing Multi-Object Grasping solutions.
- Research 6D pose detection algorithms for robotic Multi-Object Grasping.
- Detect 6D poses of the top-layer objects in the target using Deep Learning.

Full Stack Developer   Apr 2022 - Aug 2022
Byte Cave   Boise, ID(Remote)

- Collaborated with designers to develop interfaces using Angular, JavaScript, HTML, and CSS.
- Utilized Angular framework to develop dynamic and interactive web pages.
- Developed robust server-side applications using C#/.NET Framework.

Software Developer Intern   Jun 2020 - Jun 2021
AzeriMed LLC   Baku, Azerbaijan

- Assisted in developing the cloud infrastructure using Python and SQL.
- Collaborated with senior developers on error handling with the database.
- Ensured proper functioning of AzeriMed servers through maintenance and troubleshooting.

PROJECTS

Sentiment Analysis Worked on a sentiment analysis project that identified the textual data into positive, negative, and neutral sentiment. The dataset was gathered from SemEval-2016 Twitter and implemented over GPU and FPGA to analyze the performance/accuracy across different hardware.

Stock Analysis Individually developed a stock analysis program that processes the stock data in candlestick format using C# and LINQ. The program does filtration/normalization according to the given range and categorizes the "smart candlestick" based on the patterns it detects from the respective classes.

InCollege An agile-developed software made by a small team of students to streamline job postings and create ground for efficient communication between the students, developed using Python and SQLite.

NOTEWORTHY ACHIEVEMENTS

- University of South Florida: Green & Gold Presidential Award
- National Informatics Olympiad of Azerbaijan: Bronze Medal