

Yusif Kazimzade

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EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY, College of Computing Atlanta, Georgia

Bachelor of Science in Computer Science ~ Concentration in Intelligence and Info Internetworks *EXPECTED December 2025*

- Relevant Coursework: Object Oriented Programming, Data Structures and Algorithms, Computer Organization & Programming, Quantum Computing, Machine Learning, Simulations, Objects & Design, Computer Science Ethics

EXPERIENCE

PayRiff CJSC

Baku, Azerbaijan

Software Developer

May – August 2022

- Managed the Pakistan and Azerbaijan database with more than 80,000 users and worked with MySQL while 15% under budget, all while collecting valuable information to reinforce all future financial transactions.
- Executed HTML/CSS tasks using React and Angular libraries and optimized websites to align with SEO best practices, resulting in a noteworthy 20% surge in website traffic, enhancing user engagement and overall online visibility.
- Collaborated seamlessly with the customer support department, providing technical assistance to over 200 users while proactively collecting invaluable data for debugging and continuous improvement purposes.

PERSONAL PROJECTS

BetSmart Arbitrage

May 2024 – August 2024

- Co-founded a startup focused on creating an algorithm that identifies arbitrage opportunities across sports betting platforms.
- Developed the website, and built a subscription-based service that provides users with guaranteed profitable bets, delivering real-time updates via a custom-built Discord bot.

Crypto Trading Algorithm

May 2024 – August 2024

- Conducted in-depth data analysis on top trading wallets, calculating profit margins and identifying trading strategies.
- Implemented a sophisticated algorithm that integrates three different APIs to track and analyze trending cryptocurrencies.
- Replicated the top wallet strategies in a personal wallet, achieving consistent returns by following data-driven decisions.

AI Face Detection Algorithm

August 2024

- Engineered an AI face detection algorithm using neural networks, designed to accurately detect human faces in real time.
- Leveraged deep learning frameworks to train and fine-tune the model, ensuring high accuracy across diverse datasets.

RESEARCH

Quantum Computing

Atlanta, Georgia

Simulations Subteam

January 2023 – May 2024

- Store quantum codes from MIT and different universities to run simulations and increase the simulation capacity, using GitBash (GitHub) and Jupyter.
- Execute a high-fidelity 20-qubit quantum simulation with exceptional efficiency using Frozone GPUs, showcasing rapid computation in just a matter of seconds.
- Harness the power of NVIDIA's cuQuantum software development kit to integrate Qiskit quantum simulations, exemplifying proficiency in quantum computing optimization and leveraging hardware acceleration technologies.

Machine Learning Subteam

- Utilize popular machine learning frameworks such as TensorFlow, PyTorch, and scikit-learn to build and fine-tune models
- Develop and maintain documentation for machine learning projects, ensuring knowledge transfer and ease of collaboration within the team.
- Conduct noise reduction tests using IBM's quantum tools (Qiskit), achieving a 10% noise reduction for improved quantum computing performance.

SKILLS

Programming: Java, JavaFX, HTML, CSS, JavaScript, C, C++, Python, Assembly, MATLAB, MySQL, PyTorch, TensorFlow

Technical: SEO, Bash, React, Jupyter, Cloud Computing (Azure, AWS), Docker, GraphQL APIs

Languages: English (Native), Azerbaijani (Fluent), Turkish (Advanced), Russian (Advanced)

Volunteer: F1 Azerbaijan Grand Prix volunteer, Help the Nature Volunteer

Activities: Professional Basketball Player (2020-2021), Chess 4th Degree

Achievements: INFOMatrix (Silver), 4th Belt and Road (4 Golds), Azerbaijani Top Student Scholarship (Full Scholarship)