Diyorbek Rasulov

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EDUCATION

University at Buffalo   August 2023 - May 2027
Bachelor of Science, Computer Science   Buffalo, NY
Forest Hills High School   Graduated June 2023
Relevant Coursework: AP Computer Science A, AP Calculus AB   Queens, NY

SKILLS

- Programming: Java, C, Assembly, Ocaml, Python, C#, JavaScript, HTML, CSS, Arduino
- Software: Emacs, Turing, IntelliJ, Visual Studio, Eclipse, Arduino, Netbeans, Unity.
- Languages: English, Russian, Tajik.
- Problem-solving, critical thinking, adaptability, time management, communication, teamwork.

PROJECTS

2D Survival Game   June 2022 - August 2025
- Experimenting with AI integration to dynamically generate levels that evolve as players progress, enhancing the gaming experience with novel challenges and ensuring continued engagement.
- Developing a captivating 2D adventure game on Eclipse using Java, merging engaging gameplay with immersive storytelling for a memorable player experience.
- Implementing innovative mechanics and meticulously designing levels for an enjoyable and visually appealing gaming environment.

Autonomous Quadcopter   June 2023 - August 2024
- Assisted in designing and building an autonomous quadcopter using a Raspberry Pi and an array of sensors, including GPS, IMU, and ultrasonic sensors.
- Assisted with programming the quadcopter using Python and the Dronekit framework for precise control and implemented complex control algorithms for autonomous flight, including waypoint navigation and obstacle avoidance.

EXPERIENCE

Website Development Agency   May 2025 - August 2025
Co-Founder/Lead Programmer   Queens, NY
- Collaborated effectively with team members to deliver personalized, functional, and aesthetically pleasing personal websites using basic languages such as HTML, CSS, and JavaScript.

After-School Counselor (CommonPoint Queens)   September 2022 - August 2025
Counselor (Part-Time)   Queens, NY
- Distinguished as an exceptional counselor, delivering superior supervision and mentorship to students.
- Proficient in diligently adhering to provide schedules to ensure effective task completion and workflow consistency.
- Ensured students grasped school material by adapting teaching methods to their unique learning styles while also leveraging exceptional public speaking abilities in engaging with students.

EXTRACURRICULARS

LeetCode   September 2022 - Present