Rumi Khamidov

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EDUCATION

Virginia Tech   Blacksburg, Virginia
B.S. Computer Science; **GPA: 3.6**   **May 2026**
- **Relevant coursework:** Software Design and Data Structures, Problem Solving in CS, Intro to Comp. Org.

Lake Braddock Secondary School   Burke, Virginia
Advanced High School Diploma; **GPA: 4.4 (W)**   **Jun 2023**
- **Relevant coursework:** AP Calculus BC, AP Statistics, 3 Years of AP/Adv Computer Science, DE Programming

SKILLS

Programming: Java, Python, JavaScript, React, CSS, HTML, LaTeX, MatLab, UML, Data Structures

Languages: English (Fluent), Russian (Fluent)

PROJECTS

Personal Workout Schedule
- Developed a daily updating schedule of my planned gym workouts for the week using concepts such as a **queue** data structure, **local storage**, and front-end **CSS customization** via JavaScript and the React library.
- After the creation of an initial template based on my current gym schedule, the user can choose to change the schedule by changing the focus type of the day and specific workouts associated with each day.

BOLT: Wireless Communications
- Established the structure required to **monitor** the motorcycle's status through the development of the **receive functionality** of the XBee transmitters that **converts** hexadecimal into formatted ASCII.
- Currently facilitating plans to encrypt the connection between two wireless XBee transmitters by implementing the Python RSA library for Asymmetric-key encryption.

Snake Game
- Recreated the infamous game using Carnegie Mellon's graphics-based Python learning website: 'CS Academy.'
- Achieved second place for the DE Programming Unit 10 'Creative Task' May 2022 competition and was featured on Carnegie Mellon's 'CMU CS Academy' YouTube channel.

Influencer Data Visualization
- **Delegated roles** for and **coordinated** the creation of an algorithm that parsed, visualized, and sorted engagement rates of internet personalities in a monthly/quarterly fashion as part of a collaborative Java project.

WORK EXPERIENCE

US Soccer Certified Referee   Washington D.C.
Assistant/Central Referee   **Sep 2019 – May 2023**
- Collaborated in three-person teams that were under constant pressure to perform by keeping the players safe, creating a fun playing environment, and ensuring the Laws of the Game were being followed.

JAR Referee Solutions   Springfield, VA
Intern   **May 2023**
- Discovered outstanding characteristics of young referees; bolstered my understanding of the game assignment process as a whole (there are over 3,000 active referees); identified key moments throughout a match by observing professional and state-certified referees.

EXTRACURRICULARS

BOLT   Virginia Tech
Member   **Oct 2023 – Present**
- Club Description: A design team of VT engineers spearheading the construction of a fully electric motorcycle used for competitions, hands-on experience working with a team, and collaborating on interdisciplinary projects within BOLT.
- Role: Remodeled the controls design and established data collection algorithms for the electric motorcycle.

Senior Communities Matter Club   Lake Braddock
Treasurer   **Sep 2021 – June 2023**
- As a member: Crafted personalized cards and gifts, prepared for events, and volunteered for senior citizens at Sunrise Senior Living in Burke, VA.
- As treasurer: Organized club finances, bought project supplies, collected dues, and planned events with other leadership.

Computer Science Honor Society   Lake Braddock
Member   **Sep 2021 – June 2022**
- Project coordinator of an outreach event that taught basic Java skills to students.
- Mentored and promoted computer science to underclassmen and middle schoolers.