

# Rumi Khamidov

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## EDUCATION

### Virginia Tech

*B.S. Computer Science, Mathematics Minor; GPA: 4.0*

Blacksburg, Virginia

*May 2026*

**Organizations:** BOLT, Russian-Speaking Student Association, Society of Asian Scientists and Engineers (SASE)

**Relevant coursework:** Software Design and Data Structures, Problem Solving in CS, Computer Organization

## SKILLS

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

**Languages:** English (Fluent), Russian (Native)

## 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 **editing** 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.
- Worked in **collaboration** with the CAN Testbench team, which gathered the data from the motorcycle, as we successfully **sent and recieved** information.

### 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

*Assistant/Central Referee*

Washington D.C.

*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

*Intern*

Springfield, VA

*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

*Project Contributor*

Virginia Tech

*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 and dispersion algorithms for the electric motorcycle.

### Russian Speaking Student Association

*Member*

Virginia Tech

*Sep 2023 – Present*

- Promoted Russian and Russian-speaking cultures and traditions in Virginia Tech and connected with peers through our common language and similar backgrounds.
- Personally spread Tajik culture through food, presentations of the beautiful landscape, and anecdotes from my time there, as the sole representative of Tajikistan.

### Society of Asian Scientists and Engineers

*Member*

Virginia Tech

*Jan 2024 – Present*

- Promoted inclusion and diversity within the university and the club itself along with, specifically, other Central Asian members.