

# Rumi Khamidov

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## EDUCATION

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### Virginia Tech

*B.S. Computer Science; GPA: 4.0*

Blacksburg, Virginia

*May 2026*

- **Relevant coursework:** Software Design and Data Structures, Multi-variable Calculus, Foundations of Engineering

### Lake Braddock Secondary School

*Advanced High School Diploma; GPA: 4.4 (W)*

Burke, Virginia

*Jun 2023*

- **Relevant coursework:** AP Calculus BC, AP Statistics, 3 Years of AP/Adv Computer Science, DE Programming

## SKILLS

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**Programming:** Java, Python, LaTeX, JavaScript, MatLab

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

## PROJECTS

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### BOLT: Wireless Communications

- Developed the structure required to monitor the motorcycle's status (speed, location, battery life, etc.).
- Facilitating plans to encrypt the connection between two wireless XBee transmitters by implementing Python RSA for Asymmetric-key encryption.

### Snake Game

- Python adoption of the classic 'Snake Game' where the user controls a snake and eats fruit to grow their body while avoiding walls and its own tail.
- Achieved second place for DE Programming Unit 10 'Creative Task' May 2022 competition and was featured on Carnegie Mellon's 'CMU CS Academy' YouTube channel.

### Influencer Data Visualization

- Coordinated an algorithm that parsed, visualized, and sorted engagement rates of internet personalities in a monthly/quarterly fashion as part of a collaborative Java project.
- Designated roles for all members and directed the team tasked with data storage and organization.

## WORK EXPERIENCE

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### US Soccer Certified Referee

*Assistant/Central Referee*

DC-Metro Area

*Sep 2019 – May 2023*

- Refereed travel leagues such as the ECNL, NCSL, EDP, CCL, and VPSL; recreational leagues such as the VSA and FPYC; and travel tournaments like the VYSA State Cup, President's Cup, VDA College Showcase, and WAGS tournament.
- 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.
- Devised a calendar of upcoming referee webinars using Excel, wrote and edited an interview of young referees (acquired basic editing and Photoshop skills), and wrote reflections on my performances as a referee.

## EXTRACURRICULARS

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### BOLT

*Member*

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 algorithms for the electric motorcycle.

### Senior Communities Matter Club

*Treasurer*

Lake Braddock

*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

*Member*

Lake Braddock

*Sep 2021 – June 2022*

- Mentored, promoted computer science to underclassmen and middle schoolers, and was a project coordinator for an event that taught any student basic Java.