

# Rob Keys

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I am a driven, problem-solving individual with a strong commitment to continuous learning and tackling new challenges in dynamic and collaborative environments.

## Education

**University of Virginia, Charlottesville, VA**

**May 2026**

- B.S. in Computer Science expected May 2026
- 4.0 cumulative GPA
- Division I football player

**Westfield High School, Chantilly, VA**

**May 2023**

- 4.32 cumulative GPA
- 35 ACT, 1500 SAT
- Honors: National Merit Commended Student, AP Scholar of Distinction, Straight-A Honor Roll
- Took 10 College level courses (AP) and achieved full credit towards Bachelors

## Relevant Coursework

- **Data Structures and Algorithms** – Learned and implemented self-balancing trees, hash maps, priority queues, and analyzed algorithms using Java in IntelliJ
- **Software Development Essentials** – Overviewed the construction and engineering of complex software systems, including design patterns and principles, functional programming, data storage and manipulation, and testing standards using Java in Visual Studio and JUnit testing
- **Computer Systems and Organization** – Explored a wide range of fundamental computer systems from Assembly to Linux to C, including the hardware behind the systems
- **Advanced Cybersecurity** – Covered the need and implementation of modern encryption, the tools of digital forensics, and defending systems and networks against modern threats, all using Python in Visual Studio Code

## Technical Skills

- Programming Languages:
  - Proficient: Java, C++, Python
  - Familiar: C, HTML, SQL, JavaScript, Go, R
- Tools:
  - Eclipse, Visual Studio Code, Docker, MATLAB, Command Line

## Personal Skills

- Creativity - Applying my current knowledge and skills to new situations
- Learning - Constantly working to acquire new skills and expand my abilities
- Technical Communication - Clarity and brevity about technical processes and products
- Critical Thinking - Analyzing novel problems and finding how to best create and apply solutions
- Collaboration - Working with others to optimize our talents and accomplish large goals and projects

## Additional Experience

**University of Virginia Football - Linebacker**

**June 2023 - Present**

- Acquired teamwork skills through daily group work, accountability to peers and superiors, and working with a team of diverse individuals with unique skill sets
- Competed in a result-oriented environment every day, recalling and applying information in time sensitive situations and implementing specific coaching changes in real time
- Embraced opportunities to lead and guide others through playbook study sessions and extra individual work, while also being a part of a team and learning to work underneath more experienced superiors