Sam Keamy

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EDUCATION

Phillips Academy Andover, Andover, MA *September 2019 – June 2023*

GPA: 5.74/6.0 (as of December 2022)

GPA in science and math courses: 5.94/6.0

AP Testing: Chemistry (5); BC Calculus (Planned); Calculus Based-Mechanics (Planned); Calculus Based Electricity & Magnetism (Planned); Computer Science (Planned)

Honors & Awards: Abbot Academy Fund Grant (Received 2021)

SAT Score: Math (790) / Reading & Writing (760)

EXPERIENCE

Phillips Academy Robotics Club | ***Co-Captain***, Andover, MA *September 2019 – Present*

- Participated in VEX Robotics competitions since 2019 and created FIRST Club in spring 2022, current co-president of VEX and co-software lead of FIRST.

Phillips Academy VR Club | ***Co-President***, Andover, MA *Spring 2021 – Present*

- Established the VR Club with a grant from the Abbot Academy Fund. Train new users of VR technology and hold weekly meetings.

Phillips Academy NEST Makerspace | ***Makerspace Guide***, Andover, MA *December 2021 – Present*

- Volunteer in the Makerspace, assisting peers who are utilizing the Makerspace. This includes 3D printing, laser cutting, robotics, and design. Planning workshop on introductory soldering.

Phillips Academy Academy Skills Center | ***Peer Tutor***, Andover, MA *September 2020 – Present*

- Academic tutor in biology and chemistry. Working with students at minimum weekly for one hour each.

WPI Frontiers | ***Student in Biomedical Engineering***, Worcester, MA *July 2022*

- Participated in a two week overnight program studying biomedical engineering and psychology at Worcester Polytechnic Institute.

PROJECTS

Independent Video Game Development *July 2022 – Present*

- Programming lead and game designer of 2D platformer developed in Unity with C#.
- Read more on my website: https://sam-keamy-portfolio.vercel.app/fetch/

Robot Competing in FTC Powerplay *September 2022 – Present*

- Programming the robot in Java and building a TensorFlow model for cone detection.
- Read more on my website: https://sam-keamy-portfolio.vercel.app/ftc/

Window Cleaning Drone *February 2019 – 2022*

- CAD and building of the window cleaning drone and the writing of a paper involving window detection methods.

SKILLS

Technical: Soldering, CAD (Fusion 360 and Solidworks), 3D Printing, Laser Cutting

Programming Languages: C#, Java, Python

Languages: 4+ Years High School Spanish