

Kyle Sayre
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EDUCATION

Bachelor of Art, Slippery Rock University

Major(s): Physics / Pre-Engineering

Minor: Mathematics

Expected Graduation May, 2021

GPA: 3.8/4.0

Major GPA: 3.9/4.0

Dean's List: 5 Semesters

WORK EXPERIENCE

Slippery Rock University, Slippery Rock, PA

Student Manager Physics and Engineering 3d Lab

May 2019-Present

- Actively work with other departments 3d printing materials needed for research development using programs such as Solidworks, Simplify 3d, AutoCAD, and Pronsole.

Research Assistant, Quantum Lab

January 2020-Present

- Actively in the process of creating a scanning probe microscope for research on properties of electrons. This includes creating a user interface using Python run through Raspberry Pi's and using Solidworks to design components for the scanning probe microscope including but not limited to: positioning systems, microscope housings, and rotary fixtures.

U.S. Army Pennsylvania National Guard, Pittsburgh, PA

May, 2012 – May, 2020

Computer Detection Systems Repairer, 94F

- Performed sustainment maintenance and repairs on devices not limited to microcomputers, global positioning systems, night vision devices, and chemical detection systems.
- Established section standard operating procedures to ensure proper work environment.

PROFESSIONAL DEVELOPMENT

Slippery Rock University 3D Print Lab

May, 2019-Present

- Assisted university professors in 3d printing face shields for donation in response to COVID-19
- Maintaining and improving software, programming, and design skills

Army Warrior Leadership Course

Oct. 2016-Nov. 2016

- Completed requirements set by the U.S. Army for leadership standards
- Provided a leadership role during the course while completing field exercises

PERSONAL AWARDS

- A.P. Vincent Science Scholarship
- Outstanding Service Award, Physics, Slippery Rock University
- Sigma Pi Sigma, Physics Honor Society
- Addison Gibson Scholarship
- Army Achievement Medal

Fall 2020, Spring 2021

May 2020

April, 2020

Fall 2019, Spring 2020

July, 2014