**Adita Agate**

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Current student pursuing a research position to continue skill building and knowledge in the physics field.

**EDUCATION** Saint Michael's College, Colchester, VT

B.S. in Physics, Anticipated- May 2024

 Minor in Math

G.P.A. 3.5

 Neptune High School, Neptune, NY, June 2020

**HONORS** Dean’s List

 National Honor’s Society, inducted in 2018

 Neptune High School Science Student Award, June 2020

**RESEARCH** Research Project, NASA-Vermont Space Grant Consortium, Saint Michael’s

**EXPERIENCE** College, Colchester, VT
• Conducting analysis and identification of heavy element absorption using HIRES

telescope at Keck Observatory

• Cataloging element abundances and contributions to early galaxy formation.

2021 – Present

Summer Research Project, VPAA Grant, Saint Michael's College, Colchester, VT

• Analyzed archival data from HIRES and MIKE spectrographs
• Utilized UNIX operating system and Interactive Data Language (IDL)
• Traveled to W.M. Keck Observatory, Hawaii, with physics professor
• Collected raw data set for further analysis
Summer 2021

Summer Intern, Air Force Research Laboratory, Neptune, NY

• Assisted as active team member on the National Operational Environment Model

 (NOEM) project
• Populated innovative computer modeling systems with new data
• Tested new DARPA equipment for field communication

Summer 2018

**TEACHING** Laboratory Teacher’s Assistant, Physics Dept., Saint Michael's College,

**EXPERIENCE** Colchester, VT

**•** Guide students in lab experiments and in the understanding of physical laws in practice, routine setup of equipment

2022 – Present

Academic Peer Tutor, Saint Michael's College, Colchester, VT

•Assist peers on individual basis in calculus and general chemistry
2021-Present

**OTHER** Camp Counselor, Camp Turk, Woodgate, NY Summer 2017

Crew Member, Burger King Restaurant, Neptune, NY 2017 - 2019

 **SKILLS** Computer Experience and Programming: Unix, Microsoft Office, Maple, IDL, Java