

Samuel E. Ross

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EDUCATION

Haverford College

Aug. 2021 – May 2025

Haverford, PA

- GPA: 3.93
- Major: Mathematics & Economics (Prospective)
- Activities: Haverford Problem Solving Group (Founder, Co-head); Haverford Economics Research Club (Treasurer); Varsity Cricket Team.

Briar Woods High School: *Academy of Science Magnet Program*

Aug. 2017 – Jun. 2021

Ashburn, VA & Leesburg, VA

- GPA: 4.49W / 3.92UW
- SAT: 1530 (770 EBRW, 760 Math)
- Completed independent research into the effect of the PROTAC-induced degradation of the TRIM24 protein on the proliferation of a CRPC-modeling androgen-independent prostate cancer cell line.
- Activities: AOS Student Govt. (Fundraising Committee); HOPE (Humanitarian) Club; Public Forum Debate Team; Briar Woods Political Union; French Club.

WORK EXPERIENCE

Haverford College

Aug. 2021 – Dec. 2022

Student Note Taker: MATH 215

Haverford, PA

- Recorded per-lecture notes for Haverford's Linear Algebra course, organized by the college's Access and Disability Services (ADS) department.
- Used LaTeX to typeset notes in real-time, compiling a final 106-page document detailing the course's materials (https://samueleross.com/pages/index/data/SamuelERoss_MATH215_Notes.pdf).

Clyde's Willow Creek Farm

Apr. 2019 – Jan. 2021

Senior Backwaiter; Top-Gun | Aug. 2020 – Jan. 2021

Ashburn, VA

Backwaiter | Nov. 2019 – Aug. 2020

Busser | Apr. 2019 – Nov. 2019

- Assembled menu items and delivered prepared dishes to customers.
- Managed payroll by distributing tips to other employees and keeping records.
- Trained new employees and acted as a scout for prospective employees.
- First high-school employee to be given administrative and training responsibilities.

ACTIVITIES

Haverford Problem Solving Group

Aug. 2021 – Present

Founder & Co-head

- Provide varied opportunities for mathematical problem-solving to interested members of the Haverford community, including preparation for mathematics events like the Putnam Competition.
- Manage communication, structure, logistics, and finances for a weekly student group with nearly twenty members.
- Generate interest in mathematical competitions and the mathematics major via problem-solving outreach.

Northern Virginia Bonsai Society

Mar. 2017 – Present

Advisory Board Member / Member

- Organize workshops, club meetings and fundraising events.
- Lead workshops and organized demonstrations, including at the annual National Bonsai Festival in Washington, D.C.
- Advise leadership on website design, digital outreach, and meeting itineraries.

AWARDS, SKILLS, & INTERESTS

- **Awards:** 2021 Governor's Seal (VA); Distinguished AP Scholar 2021, 2020; AP Scholar 2019.
- **Skills:** French Language (professional working proficiency); Experience with LaTeX, Java, HTML, R, etc.; Microsoft Office, incl. Excel and PowerPoint; Academic Writing; Organizing and Leadership.
- **Interests:** Bonsai; Fly-fishing; Running; Competition Mathematics; Music Production; Reading; Hiking.