

## Curriculum Vitæ — Daniel Rostamloo

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### Research Interests

Arithmetic algebraic geometry,  $p$ -adic cohomology, derived categories, & related subjects

### Education

2023—Present      **University of Washington**, Seattle, WA, *Ph.D Mathematics*  
*Advisor:* Max Lieblich

2019—2023      **University of California, Berkeley**, *B.A. Mathematics*

### Honors & Awards

2023—2028      **NSF Graduate Research Fellowship**, University of Washington

2022      **Summer Undergraduate Research Fellowship**, UC Berkeley

### Selected Projects

2022—2023      Mathematics Honors Thesis  
*Advised by:* David Eisenbud

2021—2022      *Twenty-Seven*, a sculpture of the Clebsch diagonal cubic surface  
*Advised by:* Gabriel Dorfsman-Hopkins  
*Website:* <http://www.gabrieldorfsmanhopkins.com/art/27lines.html>

### Invited Talks and Presentations

November 12, 2022      **Undergraduate Math Symposium**, University of Illinois Chicago.  
*Non-Vanishing Syzygies for Products of Projective Spaces*

### Teaching & Mentoring Experience

2024—Present      **Undergraduate reading course on algebraic geometry**, UW

Winter 2025      **Directed Reading Program Mentor**  
*Project title:* The Structure of Mathematical Revolutions

2024—2025      **Math Major Study Hall TA**

2023—2024      **Undergraduate calculus series TA**

2022—2023      **Berkeley Undergraduate Mathementoring Program**, Mentor

2021—2023      **Berkeley Math Circle**, Lecturer, Contest Writer, and Grader

## Service & Organizational Activities

|              |                                                                                                                                                                                                                                                                 |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2025—Present | <b>Organizer</b> , UW Student Algebraic Geometry Seminar                                                                                                                                                                                                        |
| 2025—Present | <b>Washington Directed Reading Program (WDRP) Organizer</b>                                                                                                                                                                                                     |
| 2022—2023    | <b>Bay Area Mathematical Olympiad</b> , Contest Writer and Grading Coordinator                                                                                                                                                                                  |
| Summer 2022  | <b>Program Developer and Instructor at <i>Math for Daily Life</i></b> , a mathematics workshop for formerly incarcerated and socially reentering individuals. Supported by the <i>Building Opportunities for Self-Sufficiency</i> organization in Berkeley, CA. |

## Languages

|          |                |
|----------|----------------|
| Armenian | (native)       |
| English  | (native)       |
| Spanish  | (intermediate) |

Last updated: March 31, 2025 • [drostamloo.github.io](https://drostamloo.github.io)