

Alex De Biasio

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Education

Williams College

B.A., Mathematics

Williamstown, MA

Expected May 2028

- GPA: 3.85/4.0; Dean's List
- **Teaching Assistant, Abstract Algebra** (Fall 2025): Selected as a sophomore; leading TA sessions and grading proofs for 25 students
- **Galois Theory Tutorial** (Spring 2026): Admitted as a sophomore to junior/senior-level tutorial with Prof. Susan Loepp
- Coursework: Commutative Algebra, Algebraic Number Theory, Topology, Data Structures, Probability

Stanford Pre-Collegiate Studies

University-Level Online Mathematics

Online

2021–2024

- 4-year sequence: Abstract Algebra, Real/Complex Analysis, Linear Algebra, ODEs, PDEs (GPA: 3.75/4.0)

Experience

Russell Research

Data Engineering Intern

East Rutherford, NJ

Summer 2025

- Implemented data pipeline components in C#/.NET; wrote unit tests with NUnit

Russell Research

Machine Learning Intern

East Rutherford, NJ

Summer 2024

- Built and evaluated ML classification approaches in PyTorch on a 140k-question dataset
- Designed confidence-based sampling tools for efficient data labeling; compared 27 model configurations

Technical Skills

Languages: Java, Python, C#/NET, L^AT_EX

Technologies: Git, PyTorch, NUnit, Visual Studio

Concepts: Data Structures, Algorithms, Object-Oriented Programming, Unit Testing

Activities

Math Book Club

Williams College, Fall 2024–Present

Math Club Founder

Pascack Valley High School, Spring 2023

Peer Tutor, Math and Physics

Pascack Valley High School, 2022–2024

Additional

Languages: English (native), Italian (fluent)

Interests: Classical and jazz piano (16 years), music composition, climbing, bouldering, hiking

References: Available upon request