Diego Bermejo

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Education

Haverford College *Aug 2021 - May 2025*
B.S. in Mathematics (focus in Applied Math) GPA: 3.8/4.0

- *Selected Coursework*: Complex Analysis, Real Analysis, Linear Optimization, Linear Algebra, Multivariable Calculus using Linear Algebra, Introduction to Macroeconomics

Saint Ignatius College Preperatory *2021*
Graduated with Honors & AP Scholar WGPA: 4.248

Experience

Haverford College, Department of Mathematics *Jan 2023 - Present*
Department Tutor Haverford, PA

- Organizer and Co-leader of the Math Question Center
- Facilitate productive collaboration environments for students, upholding Haverford College's Academic Honor Code
- Serves roughly 15-25 students 2 hours per week; questions range through any Haverford math course

Haverford College, Office of Academic Resources *Dec 2021 - Present*
Peer Mentor Haverford, PA

- Peer tutor in Linear Algebra, Advanced Calculus I-III, Proof Techniques, and Spanish
- Self scheduled 1-on-1 tutoring sessions with students seeking specific course help or mentorship
- Organized student-specific study plans to enhance course understanding throughout an entire semester
- Tutoring accumulates to roughly 4-6 hours per week

Personal & Academic Projects

Bluestamp Engineering *July 2020*
Self-Guided Engineering Project

- Designed and built a wearable, assistive device for the visually impaired compatible with a smartphone application
- Self-taught C/C++ programming, soldering on perforated circuit boards, and entry-level circuitry
- Tools & technologies used: C/C++, Arduino, Breadboard Circuitry and Soldering, Bluetooth Modules
- Entire design process can be seen here: My Project Portfolio

Radon Transform & Applications in Tomography *April 2023*
Expository Research Paper in Complex Functional Analysis

- Rigorous mathematical exploration of the Radon Transform and its application to image reconstruction and tomography, specifically as it pertains to medical imaging technology such as X-ray and Computed Axial Tomography (CAT) scans.

Community Engage Project *Ongoing*
Video Project for Local Philadelphia show Atrévete

- Video serves to bring awareness to prominent LGBTQ+ concerns and invite local Philadelphia community members to engage in educational activites
- Audience: Spanish-speaking migrant leaders in Philadelphia working with Latinx community members through the show *Atrévete*

Technical Skills

Languages: Fluent in English and Spanish
Programming Languages: C/C++, Python, Arduino, LaTeX, Mathematica, MatLab
Tools: Google Workspace, Microsoft Office Suite, Zotero
Skills: Mathematical Modeling, Proof & Proposal Writing, Soldering & Circuitry, Creative Problem Solving

Positions of Leadership

RSL, First-Year Residential Student Leader *Jan 2023 - Present*

Co-Head, Haverford Rock Climbing Club *Jan 2023 - Present*

Member, Association of Latin American Students *Aug 2021 - Present*