

# Ben Lebdaoui

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## PROFILE

- Extensive knowledge of mathematics
- Reliable | Quick-learner | Determined | Disciplined | Focused

## EDUCATION

*University of Montevallo | Montevallo, AL | 2026*

- Bachelor of Science Degree in Mathematics
- GPA: 4.0 | President's List
- Linear Algebra, Numerical Analysis, Differential Equations, Topology, Graph Theory
- University of Montevallo Men's Soccer

*Gulf Coast State College | Panama City FL | 2023*

- Associate of Art Degree in Engineering
- GPA: 4.0 | President's List | Summa Cum Laude
- Calculus Three, University Physics I

*J.R. Arnold High School*

- GPA: 4.7 | Class Rank: 3/304 | Graduate with Distinction | Collegiate Studies
- Varsity Men's Soccer Team | Team Captain
- Volunteer Track Team Manager

## EXPERIENCE

*Emory University | Atlanta, Georgia | June 2025 – August 2025*

- Computational Math for Data Science REU
- Uncertainty Propagation and Optimal Control for Dynamical Systems
- Advised by Dr. John Darges

*University of Montevallo | Montevallo, AL | January 2025 – Present*

- Dynamics of the LaCrosse Virus
- Collaborating with mathematics faculty member on original research
- Formulating compartmental models for disease propagation
- Investigating optimal control methods for intervention strategies

*EPS Corp | Panama City Beach, FL | May 2024-August 2024*

- Engineering department intern
- Assisted senior engineers in the designing of a reel management system
- Designed and installed piping system and water pump for a fire suppression system
- Gathered experience in Autodesk Inventor for engineering design

*University of Montevallo Learning Enrichment Center | Montevallo, Alabama | September 2024-Present*

- Peer tutor (9-12 hours per week)
- Specializing in Physics, Calculus, Statistics, Discrete Math, and General Chemistry
- One-on-one teaching experience

*University of Montevallo Math/Science Department | Montevallo, Alabama | September 2024-Present*

- Office administrative assistant (8-9 hours per week)
- Assisting professors with day-to-day tasks
- Taking calls and handling incoming and outgoing mail for the department office

*Borusan Berg Pipe | Panama City, FL | December 2023-January 2024*

- Engineering department Intern
- Aided lab technicians in several different steel strength and paint coating tests
- Gathered experience in Auto CAD and industrial machine use
- Assisting to measure, sketch, and digitally model extension for air ducts

*Florida Roots FC | Panama City Beach, Florida | 2021-2024*

- Semi-Professional Soccer Player in the National Premier Soccer League (NPSL)
- Began playing at 17 years old when the team was founded
- Youngest player to ever play for Florida Roots NPSL

*DoorDash | Panama City Beach, Florida | 2023-Present*

- Delivery driver
- Completed roughly 800 total deliveries to date
- Maintained 4.98/5.00 customer satisfaction rating

## **AWARDS AND HONORS**

- Men's Soccer Athletic Scholarship (Awarded by coaching staff)
- Undergraduate Research Scholarship (Awarded by Undergrad Research Committee)
- Phi Theta Kappa Transfer Scholarship (Awarded by University of Montevallo PTK)
- Transfer Recognition Scholarship (Awarded by University of Montevallo)
- Dean of Arts and Viability Scholarship
- Jacquita Knight Hauserman Scholarship (Awarded by Mathematics Department)
- Marjorie Murdock Mathematics Scholarship (Awarded by Mathematics Department)

## **CAMPUS AND COMMUNITY INVOLVEMENT**

*University of Montevallo Men's Soccer | Montevallo, Alabama | August 2023-Present*

- Student Athlete
- Dedicate 20-25 hours per week to practice, lifts, physical therapy, film, and matches
- Two redshirt seasons due to two knee surgeries

*COMAP Mathematical Contest in Modelling | January 23- January 27, 2025*

- Project title: Old Stairs Are an Open Book
- Collaborated with two fellow undergraduates to develop mathematical model for analyzing old staircases

*Montevallo Math Club and Astronomy Club | Montevallo, Alabama | December 2023 -Present*

- Periodic meetings for math majors consisting of math-related activities and seminars

- Biweekly meetings for star observation

*Tinglewood Festival Volunteer | Montevallo, Alabama | September 2023*

- Volunteer staff for festival
- Assisted with setup of activities, such as cornhole, petting zoo, and live band

*Montevallo “The Big Event” Volunteer | Montevallo, Alabama | March 2024- Present*

- Yearly volunteer event through Montevallo athletics
- Helped Montevallo residents clear out fallen trees from their homes following a massive storm

*University of Montevallo Move-In Day Volunteer | Montevallo, Alabama | August 2023- Present*

- Yearly volunteer event for UM Men’s Soccer team
- Spending the day assisting the student body with moving into dorms on first day of school

## **SKILLS AND INTERESTS**

*Computer skills*

- Python, Git, LaTeX, MATLAB, Maple, Excel, Autodesk Inventor

*Interests*

- Control Theory, Game Theory, Modeling, Probability, Machine Learning, Numerical Analysis

*Website*

- [benlebdouai.github.io](https://benlebdouai.github.io)