

BENJAMIN LOUIS BLUME

BLB4645@utexas.edu • (832) 466-3413 • www.linkedin.com/in/benjamin-blume

EDUCATION

The University of Texas at Austin	Bachelor of Engineering in Geosystems Engineering	May 2028
Mirabeau B. Lamar High School		June 2024
Overall GPA: 4.00/4.00		

RESEARCH EXPERIENCE

GeoFORCE Texas Research Project, Jackson School of Geosciences – <i>Team leader</i> ; Austin, TX	July 2023 -February 2024
<ul style="list-style-type: none">• Captured data using seismic and resistivity surveying methods• Coded in Matlab to produce 1D and 2D models of the subsurface• Found the water table at a depth of 75 meters• Designed poster presentation using Canva• Presented the award-winning poster presentation at UT Austin and AGU 2023	

LEADERSHIP EXPERIENCE AND ACTIVITIES

Trotter Family YMCA – <i>Lead Lifeguard, Soccer Head Coach, Head Official, Swim Instructor, Counselor</i>	Spring 2022 - Present
<ul style="list-style-type: none">• Instructed over 150 children aged 2-16 in soccer academies and leagues• Taught over 60 people ranging from 6 months to 87 years of age to swim• Created new inventory and storage procedures for the organization's medical, soccer, and aquatics equipment• Lead and trained teams of emergency service workers through emergency action plans	
American Association of Drilling Engineers (AADE) – <i>Freshman Representative</i>	Fall 2024 – Present
<ul style="list-style-type: none">• Creates freshman opportunities through member engagement and responsiveness• Aids in the facilitation of meetings of over 30 members through talks with major energy companies	
Society Of Petroleum Engineers (SPE) – <i>Active Member</i>	Fall 2024 – Present
<ul style="list-style-type: none">• Engages one-on-one with top experts in the energy industry through high-level industry discussions	
Lamar HS Chess Club – <i>Founder and President</i>	Fall 2022 - Spring 2024
<ul style="list-style-type: none">• Raised fundraising events to start up the club and hosted weekly meetings of 40+ participants per session	
Lamar Art Club – <i>Co-founder and Treasurer</i>	Fall 2022 - Spring 2024
<ul style="list-style-type: none">• Hosted weekly meetings of over 40 participants per session• Created competition events to help students get involved	
Lamar HS Soccer Team – <i>Varsity</i>	Fall 2020 - Spring 2024
<ul style="list-style-type: none">• Facilitated a sense of community when training and bonding with underclassmen through positional training	

AWARDS

• GeoFORCE STEM Scholarship	Fall 2024 – Present
• Garcia Endowed GeoFORCE Scholarship	Fall 2024 – Present
• Winner of 13 th Annual Jackson School Student Research Symposium, High School Division	Spring 2024
• HISD School Board Award	Spring 2024
• Lamar Soccer ACE Award	Spring 2024
• Lonestar Society	Spring 2024
• Next Steve Ives Award	Spring 2023

ADDITIONAL INFORMATION

Computer Skills: Fusion360, AutoCAD, Matlab, MS Excel, Word, PowerPoint, Canva, Google Product Portfolio
Certifications: Basic Life Support (2022-2024), Basic First Aid (2022-2024), Emergency Oxygen (2022-2024), YMCA Lifeguard Certified (2022-2024), YMCA Swim Instructor (2023-2024)