

Aras Demirok

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Education

Bachelor of Science in Mechanical Engineering

University of Central Florida- Orlando, FL

May 2028

Work Experience

New Tampa Family YMCA- Tampa, FL

September 2024 - August 2025

Swim Instructor and Lifeguard

- Instructed 21 swimming lessons per week for children and adults, ensuring customer satisfaction through patience and clear communication skills.
- Supervised pool activities and responded to emergencies, strengthening leadership and quick decision-making. Made sure other lifeguards were on duty and set an example for them.

Technical Skills

- Languages: Turkish and German
- Certifications: CPR & First Aid, Model United Nations (MUN), Duke of Edinburgh Project Bronze
- Software Skills: Tinkercad, Excel, Word, Office 365
- Program Languages: Java, C

Leaderships & Projects

University - University of Central Florida

August 2025 - Present

- Student, LEAD Scholars Academy: Accepted for leadership program, focusing on community service, professional development, and personal growth.
- Internal Affairs Member, Young Turkish American Chamber of Commerce of the South (Young TACCS): Assisting small and large businesses in resolving internal organizational challenges, such as communication systems and budgeting practices.
- Treasurer, Turkish Student Association (TSA): Coordinating events and strategic partnerships, enhancing cross-cultural communication, and promoting diversity through events coordination.
- Member, American Institute of Aeronautics and Astronautics (AIAA) & American Society of Mechanical Engineers (ASME): Participating in development workshops like soldering, at the same time gaining experience in projects such as:
 - Aviation Design: Collaborating with peers to design innovative aircraft models, learning plane parts and useful physics formulas, gaining experience on SolidWorks.
 - Rocket Design: Worked in a team of peers and did rockets, gained hands on experience, used important simulation apps such as OpenRocket. Soon to get L1 certification.
 - Arcade Claw Machine: Collaborating in a team to engineer and program a fully operational claw machine, integrating mechanical components with electronic controls; enhanced problem-solving, teamwork, and technical skills.

High School - Wiregrass Ranch HS

August 2022 - June 2025

- Treasurer, National Honor Society (NHS): Managed chapter funds by collecting dues and spending efficiently on t-shirts, stoles, and pins, saving around \$2,000; coordinated 4 fundraisers and practiced organizational and financial responsibility.
- Founder & President, Ranch Ambassadors: Helped around students adopt and feel welcome to the school. Organized tutoring and mental support sessions for everyone, affecting 100 students' lives.
- Swim Team Captain: Led a team of 40 people by organizing training sessions, motivated teammates, and demonstrated perseverance and teamwork under pressure.
- Winner & Team Leader, AMRoC Drone Camp: Led my team to success in competitive drone flying by applying Tinkercad expertise and strong problem-solving skills to overcome technical challenges. Pitched our drone company idea effectively, which contributed to our team's recognition. Earned media coverage through a feature interview with Local Fox News highlighting leadership and innovation.
- Completed 115 volunteer hours, contributing to my community via cleaning beaches and tutoring less fortunate families in math and science.