

ALEC AGHA

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SUMMARY

I am an ambitious college graduate with a keen interest in providing answers to our ever-evolving environmental problems. My main focus in school was computational biology and data analysis, bridging a gap between computational methods and biological questions. Simply put, what motivates me the most is furthering our connection and understanding of the natural world.

SKILLS & ACCOMPLISHMENTS

Relevant Skills

professional forestry work | programming (Python, R, C++, Linux/Bash) | statistical data analysis/visualization | biological wet-lab research/presentation | Adobe Pro Suite video editing | ArcGIS Pro | violin/saxophone/piano teaching and performance

Curricular/Extracurricular Involvement

Presidential Scholar | UT Bereket Middle Eastern Ensemble violinist/saxophonist | UT Pre-Veterinary Association Organizer | SURGe Award for Best Freshmen Research Initiative Poster | ASBMB biomedical conferences | Texas State Solo and Ensemble (TMEA) quartet leader

EXPERIENCE

06/2022 – 07/2023	Lead Forest Ecology Technician 40 hours/week <i>Sedio Lab at UT Austin</i> Independent management and leadership of students/employees in organizing forest surveying, censusing, species identification, mapping, and data manipulation/analysis across monitored plots throughout Texas. Partnered with the Smithsonian Institute's ForestGEO network. Focused on fostering an open, friendly, and engaging work environment among my peers.
08/2022 – 07/2023	~100 volunteer hours 4 hours/week <i>United Mission for Relief and Development, Muslim Student Association, and Nueces Mosque</i> Philanthropic work for local causes, such as providing food for underserved communities. Helped teach life lessons and moral values in a religious context. Overall, these have served as personal outlets for community engagement and enrichment.
08/2020 – 12/2020	Life-Support Systems Internship 12 hours/week <i>Oklahoma Aquarium</i> Aquarist work specifically in the maintenance and upkeep of large-scale tank and filtration systems. Learned the backend engineering side of animal husbandry and care.
07/2018 – 11/2019	Supervisor 20-40 hours/week <i>Starbucks Coffee Company</i> Focused on providing excellent and personable customer service. Strived to develop interpersonal people skills with a large variety of strangers and regulars on a daily basis.
01/2017 – 08/2018	~220 volunteers hours 4-10 hours/week <i>Austin Bat Refuge, Austin Pets Alive!</i> Cleaning, feeding, and rehabilitation of local Austin bat and stray cat populations.
Spring 2016, Fall 2016	Undergraduate Research <i>University of Texas Research Initiative – Aptamers</i> Independent research and presentation of aptamer RNA in-vitro wet lab methods and applications
Fall 2015, Summer 2016	Emergency Medical Technician <i>Lifestart Training and Consulting, American Medical Response</i> EMT-B hospital and ambulatory patient transport and emergency care around the Austin metroplex.

EDUCATION

December 2021 Bachelor of Science, Biology
University of Texas at Austin