

ALEC AGHA

(214) 207-8270 | alecagha@gmail.com | github.com/alecagha

SUMMARY

I am a highly motivated and recent college graduate with a keen interest in genetics and ecology. Simply put, my goal is to progress more knowledge into specific environmental sciences such as ecology, geography, and toxicology, furthering our connection and interaction with nature via the scope of bioinformatics and integrative biology.

SKILLS & ACCOMPLISHMENTS

Relevant Skills

Programming in Python R and C++, Linux and Bash experience, statistical data analysis/visualization, biological wet-lab research/presentation, Adobe Premiere Pro video editing, violin/saxophone/piano teaching and performance

Curricular/Extracurricular Involvement

Presidential Scholar, UT Pre-Veterinary Association Organizer, UT Bereket Middle Eastern Ensemble violinist, SURGe Award for Best Freshmen Research Initiative Poster 2016, research presentation at ASBMB biomedical conferences, Samsung Solve for Tomorrow final contestant, Texas State Solo and Ensemble (TMEA) saxophonist

EXPERIENCE

08/2020 – 12/2020	Life-Support Systems Intern, <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, <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 on a daily basis.
05/2017 – 09/2017	Head Cook, <i>The Halal Guys</i> Learned essential cooking, cleaning, and quality food preparation skills and etiquette.
01/2017 – 08/2018	~160 hrs volunteering, <i>Austin Bat Refuge & Austin Pets Alive!</i> Surveying, cleaning/feeding, and rehabilitation of the local Austin bat population.
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 & Consulting</i> EMT-B hospital and ambulatory patient transport and emergency care around the Austin.
2013 – 2015	Team Lead, <i>Hillcrest Biomedical Research Team</i> High school senior role in computerized modeling (PyMOL) and presentation of pancreatic developmental transcription factors alongside UT Southwestern's Raymond MacDonald lab.

EDUCATION

December 2021	Bachelor of Science, Biology <i>University of Texas at Austin, Austin, TX</i>
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