

William J. Graber V

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Objective I am an undergraduate student interested in the medical field and hoping to become a physician. During my undergraduate years, my focus has been on my pre-medical requirements, majors in Biology and Psychology, and a minor in Computer Science. My goal is to become a cardiovascular surgeon, treating congenital heart disease in children and in adults with untreated congenital conditions.

Education **Bachelor of Science and Arts with Honors, Biology**

The University of Texas at Austin: August 2017 – May 2021

72 hours completed, 35 hours in STEM.

Health Science Scholars – honors thesis under development, to be presented senior year.

GPA: 3.95.

Science GPA: 3.98.

Bachelor of Arts, Psychology

The University of Texas at Austin: January 2019 – May 2021

72 hours completed, 19 hours in major.

GPA: 3.95

Elements of Computing Certificate

The University of Texas at Austin: August 2018 – May 2021

Minor in computer science. 9 hours completed within minor.

GPA: 4.0

Lone Star Community College

Lone Star College - Montgomery: October 2012 – May 2017

87 hours completed, 40 in STEM – completed in high school

GPA: 3.95

Emergency Medical Technician – Basic

RC Health Services: June 2017 – February 2018

Licensed: February 2018 – present

**Research and
Medical
Experience**

Bioactive Molecules Research Lab

The University of Texas at Austin, Dr. Elizabeth Ilardi. January 2018 – December 2019

Organic synthesis lab focused on creating ligands to target Sigma receptors in hopes of combatting Alzheimer's. Role was to generate and perform procedures and synthesis steps for potential ligands.

Hours: 6 hours per week

Texas Children Hospital Cardiology Observership

Texas Children's Hospital Main Campus, Dr. Daniel Penny: August 2017 and June 2018 – August 2018

Explored many different aspects of Pediatric Cardiology under the supervision of Chairman Dr. Daniel Penny. Assigned to a variety of pediatric cardiologists with different areas of expertise (interventional, cardiac imaging, electrophysiology, intensive care). Activities included observing cardiology clinic, attending floor and ICU rounds, observing catheterization, ECHO, and MRI procedures, and attending cardiology conferences.

Hours: 300

MD Anderson Cancer Center

MD Anderson Houston Campus, Dr. Ara Vaporciyan: January 2019

Shadowed under Dr. Vaporciyan, a cardiothoracic surgeon. Observed surgeries involving lung resection, diaphragm reconstruction, and others.

Hours: 16

Beaumont Bone and Joint Institute

Beaumont Bone and Joint Institute, Dr. Todd Clarke: August 2018

Observed several different orthopedic surgeries, including total knee replacement, total hip replacement, and others.

Hours: 8

Leadership

Longhorn Emergency Medical Services - Captain

The University of Texas at Austin: May 2019 – Present

Appointed as captain of Longhorn EMS, second in command to the chief. Primary roles include the management and direction of lieutenants and other executive officers, campaigning for the establishment of a student run first response organization on UT Austin's campus, managing a major upheaval of training and testing curriculum, and restructuring of the organization to better function as a first response organization. Establishing a first response organization to increase campus safety and decrease emergency response times is the primary goal of Longhorn EMS. This requires extensive communication with UT administration to staff official UT events and advocate for ourselves.

Hours: 12 per week

Longhorn EMS Internal Training Committee Chair

The University of Texas at Austin: August 2018 – May 2019

Served as chair on the Internal Training Committee of Longhorn EMS. Duties included planning and hosting training sessions, training and testing other EMTs for promotions to higher ranks, and evaluating the proficiency and professionalism of our responders as a whole. Additionally, attained the highest rank of responder, R3, which is a supervisory position entailing directing other responders during medical standby events.

Hours: 3 per week

Freshman Research Initiative Peer Mentor

The University of Texas at Austin: Fall Semester 2018, 2019

Led a group of 6 freshman honors students in their first research class. Group finished 3rd (2018) and 2nd (2019) in a final presentation competition among all science honors students. Also served as a general knowledge source for members of the group, teaching them how to navigate UT and succeed in their first semester.

Hours: 4 per week

Employment	Bioactive Molecules Research Lab Student Mentor The University of Texas at Austin, Dr. Ilardi: January 2019 – December 2019 Served as a student mentor in the Bioactive Molecules freshman research stream. Duties included instructing new researchers on lab practice and research methods, and general lab maintenance. Hours: 4 per week
	Freshman Research Initiative Peer Mentor The University of Texas at Austin, Dr. De Lozanne: Fall Semester 2018, 2019 Served as a peer mentor for other College of Natural Sciences freshman honors students during their first semester. Further detailed in Leadership section. Hours: 6 per week
	EMT – Basic Sweat Medical: March 2019 – present Employed as an EMT on an independent contractor basis for special events. Hours: 58
Volunteer Experience	Volunteer EMT Longhorn EMS: August 2018 – present Volunteer EMT with Longhorn EMS, the university EMS association. Work as medical standby at a variety of events. Also participate in volunteer activities not involving direct medical care, including community education, campaigning to become a first response organization, and others. Hours: 200
	Volunteer EMT Cypress Creek EMS: August 2018 – August 2019 Volunteer EMT with Cypress Creek EMS, a professional EMS agency. Operated under full scope of practice with equal responsibility as paid staff. Hours: 150

German Shepherd Dog Rescue & Training

Rescue Reinvented, Greater Houston German Shepherd Dog Rescue: 2012 – present

Dog rescuer responsible for the rehabilitation and training of dogs of all ages. Duties include obedience training, leash training, puppy socialization, acclimating dogs to people and other animals, general care of animals, and other tasks.

Hours: 1200+

Volunteer Gardener

Lady Bird Johnson Wildflower Center: January 2020 – present

Volunteer horticulturist. Tasks included planting, weeding, mulching, seeding, and other duties to enhance the grounds while preserving its natural beauty.

Hours: 30

Additional Skills and Licenses Computer Languages

Python: 2 years experience

R Statistical Software: 2 years experience

HTML, JavaScript, PHP, MySQL: 1 year experience

Medical Licenses

National Registry of EMTs: February 2018 – present

EMT Basic - Texas Department of State Health Services:
February 2018 – present

Awards and Merits Health Science Scholar

A highly selective honors program within the University of Texas at Austin College of Natural Sciences designed for students pursuing a career in medicine.

Originality in the Arts and Sciences: Presentation Winner

Winner of team presentation competition among a field of 150 freshman from the College of Natural Sciences honors programs. Teams created and presented mock grant proposals and were evaluated by professors and the freshman class.

Nationally Ranked Épée Fencer – A2016 Rating

In 2016 achieved an A rating, the highest rating recognized by the United States Fencing Association. Participated in dozens of national championships and was a perennial attendant of the U.S. Junior Olympics. Had dozens of medal finishes in competitive career spanning 2012 – 2017. Currently participate recreationally.

College Scholar

The University of Texas at Austin, 2019, 2020

University Honors

The University of Texas at Austin, Fall 2017 – Fall 2019