

# DAVID MULLINGS

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## EDUCATION / COURSES

Bachelor of Science: Computer Science

University of Texas at Austin

📅 2019-Present (Pursuing) (GPA: 4.00)

Bachelor of Arts: Plan II Honors

University of Texas at Austin

📅 2019-Present (Pursuing) (GPA: 4.00)

CS439: Operating Systems

University of Texas at Austin

📅 January 2021 – Present

CS429: Computer Architecture

University of Texas at Austin

📅 August 2020 – December 2020

## PROJECTS

Personal and Professional Website

📅 January, 2021

- Learned HTML and CSS via an EdX online course.
- Leveraged those development skills to implement this front-end personal site from the ground up
- Learned valuable web content and presentation tools in the process of this site's development

Recherché Word of the Day

📅 December, 2020

- Uses Beautiful Soup 4 and the SMTP API to screen scrape a vocabulary word off of an online dictionary and send it to a mobile device
- This is possible through Verizon's mail-to-text feature, but could likely be adapted to other carriers as well

Virtual Reality Tiny House

📅 April, 2019

📍 El Paso, Texas

- Collaborated with architecture students to design, built, wire, and program a 3D model "tiny" smart home
- Incorporated python-coded GUI to wirelessly control lighting, temperature, and security of the tiny house with a smartphone
- Won first place at city-wide competition and a cash prize of four thousand dollars

## ACHIEVEMENTS

- University Honors Fall 2019, Spring 2020, Fall 2020

## SKILLS

- Computer Languages: Java: Intermediate, Python: Learning, C: Intermediate, HTML: Learning, CSS: Learning
- Languages: Proficient Spanish (Spoken / Written)

## EXPERIENCE

Salmon Seine Deckhand

Silver Bay Seafoods, LLC

📅 May - August, 2020 📍 Whittier, Alaska

- Worked as a greenhorn deckhand stacking lead lines, assisting in navigation, and performing minor engine maintenance on a commercial salmon seine
- Facilitated the capture, containment, and delivery of over fifty tons of freshly caught salmon

Trail Crew Member

Rocky Mountain Youth Corps

📅 June - August, 2019 📍 Steamboat Springs, Colorado

- Worked through Americorps to construct and maintain hiking, biking, and equestrian trails throughout northwest Colorado to limit the ecological impact and improve public access to wilderness areas
- Worked and lived with eight other crew-members in wilderness areas. Learned leadership and skills and team dynamics
- Collaborated with National Forest Service Rangers to build turnpikes, rock stairs, and other technical trail supports

## LEADERSHIP / ACTIVITIES

Class Secretary

Texas Wranglers Student Organization

📅 Feb. 2020 - Jan. 2021 📍 Austin, Texas

- Used custom functions through JavaScript to track of data of service hours and member meetings
- Adjusted to quarantine by using the FormPublisher add-on for Google Forms to automate data collection and document creation for class members
- Both systems became standard for subsequent classes.

NASA HS Aerospace Scholars

NASA

📅 Nov. - July, 2018 📍 Houston, Texas

- Collaborated with a team and won first place in a Mars Mission Design competition
- Attended a scholarshipped week-long seminar at Johnson Space Center to learn about the efficacy of U.S. space exploration
- Completed a multidisciplinary STEM program on aerospace sponsored by NASA