

GABRIEL MARSHALL

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EDUCATION

Texas A&M University <i>Bachelor of Science in Computer Engineering</i>	Aug 2021 - Present GPA: 3.50
Blinn College <i>Associate in Arts, Graduated Summa Cum Laude</i>	Aug 2017 - May 2021 GPA: 3.88

SKILLS

Programming Languages Technologies	Python, C++, C, Assembly, HTML, CSS, JavaScript Arduino, Linux, Verilog HDL, FPGA
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PROJECTS

- Rocket Building Competition - Build-a-Rocket** Sept 2022 - Present
- Led a team of 5 to construct a flight computer to calculate speed, acceleration, altitude and rotation of a rocket
 - Utilized a radio transceiver to display this information in mid-flight and the condition of the rocket
 - Used Python and C++ to program the Arduino attached to the rocket and the GUI for the statistics
- Mobile Dating App - Paw** Sept 2022 - Dec 2022
- Built a cross-platform mobile app with 2 layered profile creation for dogs and their owners
 - Implemented a "matching" feature and created a chatting system when people matched together
 - Used a SQL database to store profiles and RESTful API when users logged on the app
 - Worked with React Native and Expo to build the front-end and part of the back-end of the app
- Weather Web App**
- Built a web application to display the weather such as temperature and humidity from across the US
 - Incorporated an API to pull weather data and to also pull the users current location as a default location
 - Used HTML and CSS to build the entire front-end and Javascript for the back-end functionality

WORK EXPERIENCE

- Administrative Assistance - Shampooch Me, Mobile Dog Grooming** Jan 2020 - Aug 2022
- Created a Python application for calculating sales tax to decrease manual labor by 80%
 - Utilized a software, MoeGo, to reduce manual bookkeeping and planning
 - Effectively managed resources to improve maximum financial budget by 24%

COMMUNITY SERVICE

- Aggieland Humane Society** Feb 2017 - Present
- Volunteering at local animal shelter, working with dogs and cats

ORGANIZATIONS & CLUBS

- Aggies Create** 2023 - Present
- A student-led consultancy organization which focuses on product design and development
 - Partner with various companies/clients to provide real-world experience
- Aggie Coding Club** 2022 - Present
- Design and construct projects, ranging from web applications to video games
 - Attend weekly workshops and socials to expand skills in computer science
- Philippine Student Association** 2021 - Present
- Develop a deeper understanding about the Philippine culture
 - Participate in cultural workshops, events, and traditions to explore more about the culture