# Jack Gervasi

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## Education

Bachelor of Science in Computer Engineering, graduated Aug 2023
University of Texas at Arlington, Arlington TX
GPA: 3.134

## Experience

UTA Campus Recreation | Climbing Wall Assistant Arlington, TX | Aug 2021- May 2023

- Assured safety and proper climbing technique for climbers of all skill levels
- Belayed and supervised climbing wall participants
- Participated with climbers to create a successful and energetic atmosphere at the climbing wall

United States Department of Agriculture Agricultural Research Service-UTA Research Apprenticeship Program Arlington, TX | June 2022- Aug 2022

- Created a linear interpolation program in Visual Basic for Applications to determine intermediate values of greenhouse gasses at times when the gas analyzer was unable to measure the values
- Created a Python program to automate the calculation of greenhouse gasses in chicken houses
- Coordinated with faculty mentors and USDA-ARS scientists to set project goals and deadlines
- Presented to faculty mentors and USDA-ARS scientists about the relationship between animal agriculture and climate change

## Skills

**Programming Languages:** Python, Java, C, MATLAB, Visual Basic for Applications, SQL
**Technical Skills:** Bash, Git, Excel, pandas, PuTTY, soldering, oscilloscope usage, Selenium, Power BI

## Projects

Climate Change App | Java https://github.com/RevSpice/ClimateChangeApp

- An app that provided the information of climate change risks of each country

Reddit Positivity Ratio Bot | Python https://github.com/RevSpice/RedditPositivityRatioBot

- A bot that takes a sample size of posts from a specific forum, then analyzes how positive or negative they are

Heartbeat Monitor (in-class project) | C

- Soldered and troubleshooted a schematic shown in class and interfaced it with the EK-TM4C123GXL LaunchPad evaluation kit
- Wrote code that utilized programmable timers and the UART protocol
- Final project measured a person's pulse then displayed the result on PuTTY through a serial UART connection