




# David "Caleb" Gomez

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## Education

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**University of Texas at Arlington** Aug 2020 – May 2024  
*Bachelor of Science in Computer Science*  
Relevant Coursework

- Neural Networks

Extracurriculars


- Association for Computing Machinery

## Projects

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**Duck Duck Snooze** Oct 2024  
Created an interactive alarm system for a UTA hackathon, simulating a "duck duck goose" game with multiple connected devices.

- Designed and programmed "Ducks" that activated in sequence across a room, requiring users to chase and disable them.
- Implemented connectivity and synchronization between devices using Wifi, Python, Flask.

**Breathe Easy Sim**  Aug 2023 – May 2024  
Collaborated with UTA's SMART Hospital to design and build a ventilator tailored for simulation test dummies used in their coursework.

- Developed a functional prototype to address the limitations of traditional ventilators in simulation scenarios.
- Utilized Java, CAD, RedBoard, etc. to design, program, and test the ventilator.
- Achieved 2nd place at UTA's Innovation Day.

## Professional Experience

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**Texas Baptist Student Ministry** Aug 2024 – present  
*Campus Missionary*

- Served in a leadership program with a Christian non-profit organization.
- Mentored and facilitated personal development for college students, including international and multicultural populations.
- Designed and executed outreach initiatives, workshops, and events while collaborating with a team to promote engagement and growth.

## Skills

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Languages	Frameworks & Tools	Other
Python, Java, C, SQL	Git, Raspberry Pi, Jira, Azure	Linux, MacOS, Jupyter Notebook