

# CODY HUME

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**GitHub** - <https://github.com/codypaulhume>

## INFORMATION

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- ✉ [codypaulhume@gmail.com](mailto:codypaulhume@gmail.com)
- 🏠 Laramie, Wyoming

## SKILLS

- ✓ Software and Coding Experience
  - C++/C
  - Python
- ✓ Familiar/Self-Taught
  - HTML/CSS/JavaScript
  - SQL
    - MySQL
- ✓ Microsoft Visual Studio
- ✓ Android Studio
- ✓ Microcontroller Experience
  - Raspberry Pi
  - Arduino

## EDUCATION

- University of Wyoming
- Computer Engineering - Bachelor of Science
  - Minor in Computer Science
- American/Canadian Sign Language Certified

## PROJECTS

### Toad Data Collection Device

- Developed a portable data collection device to record and track the data of the Wyoming Toad. Designed for conversation biologists, this device was coded using a microcontroller, scripts, and small cost-conscious hardware.

### Android Studio/Unity Mobile Applications

- Created three mobile apps for android.
  - Application to post local jobs with descriptions.
  - 3-D game simulating the game red light green light.
  - Application to store and record bird calls.

### Tello Drone

- Worked with the DJI Tello drone to collect data. Created missions and scripts to fly a swarm of drones. Used the Databot 2.0 to monitor and present the collected data.

## WORK EXPERIENCE

### Electrical Engineering Research Assistant August 2021 – Current University of Wyoming

- Researched new technologies for drones and data collection devices.
  - Tello and Databot 2.0
- Developed skills working with microcomputers and corresponding coding languages.
  - C++
  - Python
- Gained experience teaching secondary education educators to develop their own curriculum for teaching electrical and computer engineering.

### Football Videographer August 2021 – Current University of Wyoming

- Gained valuable experience with professional video cameras.
- Helped install new servers for the football team.
- Learned filming and editing skills.

### City of Laramie Parks and Recreation May 2021 – August 2021

- Gained strong experience working on a team.
- Given responsibility to maintain city property.
- Learned to work independently.