# ABDULRAHMAN ALMUTAIRI

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## Education

**University of Colorado at Boulder** — **Sep. 2022 – May 2026**
*Bachelor of Electrical and Computer Engineering* — *Boulder, CO*

### Relevant Coursework

- Data Structures
- Circuits
- Wireless Systems
- Embedded Software
- Digital Logic
- Digital-Systems
- Discrete Math
- Differential Equations

## About

**Objective** — **January 2022 – August 2026**
*Electrical and Computer Engineering student* — *Boulder, CO*

- I am looking for opportunities to showcase my academic knowledge to assist others by using my skills in designing digital logic circuits, circuit analysis, and data structures to be of any assistance in those fields.

**Work Experience** — **May 2019 – July 2019**
*Programmer internship at Coded* — *Kuwait*

- I helped with programming the front-end of a client's shopping website using HTML/CSS. Creating a well-organized front page that met the client's needs.

## Projects

**Prevent-a-dent** | *c++, Arduino, circuit analysis* — **May 1st 2022**

- Prevent-a-dent Project is mainly about a garage sensor with continuous display that shows the distance in inches. You can mount the sensor on a mailbox, and you can mount the seven segments display somewhere easy to look at inside the garage. Having this project in your warehouse could help you prevent any cosmetic damages. For this project my team and I managed to separate the ultrasound sensor from the seven segments displays into two circuits using NRF24L01 radios.

**Rocket landing on moon simulation** | *C++, Matlab* — **April 2023**

- In this project I used a set of data and analyzed them through Matlab to simulate the trajectory of the rocket that is landing on the moon, and I used C++ to create an object oriented class that helped with implementing the trajectory.

**Mathematical investigation of heating and cooling of buildings** | *Matlab, differential equations* — **October 2023**

- In this project I used compartmental analysis to understand how a building's temperature changes over time using differential equations, and Matlab to help with plotting, and creating a data to complete my analysis.

### Technical Skills

**Languages**: Python, C, C++, HTML/CSS, Javascript, SQL
**Developer Tools**: VS Code, Docker, Git
**Technologies/Frameworks**: Windows, MacOS, Linux, STM32

## References

If the references are requested I am more than happy to provide a list of people who have checked and evaluated my work, skills, work ethics, and character.Please do not hesitate to ask me for the references I will provide a completed reference list.