

# Abdullah Ahmad

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## EDUCATION

### TEXAS A&M UNIVERSITY

**BS IN ELECTRICAL ENGINEERING**  
 August 2018 - Expected: May 2022  
 Computer Science Minor  
 Engineering Honors  
 Institute of Electrical and Electronics Engineers  
 Cum. GPA: 3.762 / 4.0

## LINKS

Github:// [abdullah2808](#)  
 LinkedIn:// [Abdullah](#)  
 Instagram:// [AkhiForHumanity](#)

## COURSEWORK

### UNDERGRADUATE

Intro to Program Design and Concepts  
 Intro to Digital System Design  
 Circuit Analysis  
 Data Structures and Algorithms  
 Discrete Structures for Computing  
 Computer Architecture and Design  
 Design Process  
 Signals and Systems  
 Electronics  
 Technical Writing  
 Microprocessor System Design  
 FPGA Information Processing Systems

## SKILLS

### LANGUAGES TOOLS

Proficient:

C++ • Python • Verilog • Assembly

Familiar:

React.js • HTML • CSS • JavaScript  
 Java • C • C# • Node.js • TailwindCSS

### PROGRAMS

Adobe Suite • Microsoft Office • Unity  
 Android Studio

### GENERAL

Communication • Team-Oriented •  
 Problem Solving • English • Urdu

## PROJECTS

### CALORIE COUNTING BOWL | ELECTRONICS + REACT + NUTRITION/EXERCISE API

- A calorie counting bowl that utilizes an Arduino with load cells to measure weight, and then uses API calls with user information to generate an accurate caloric count.
- Android application using Android Studio is still a work in progress and the bowl is in a prototype stage.

### SPECTRUM ANALYZER | ARDUINO IDE + ELECTRONICS

- Using an Arduino Uno with two MSGEQ7 filters that allow splitting a stereo audio input into 7 channels, then displaying the amplitude on a RGB LED Matrix.

### AKHI | ADOBE SUITE + MARKETING + SOCIAL MEDIA

- Akhi means "My Brother" in Arabic.
- Akhi is a design brand I created in high school that consists of minimalist clothing designs.
- Currently I am working on transitioning Akhi into a personal creative portfolio that contains my projects and creative work.

### TURTLE ROBOTICS QUADRUPEL TEAM | ARDUINO + ELECTRONICS + FABRICATION

- TURTLE stands for Texas A&M University Robotics Team and Leadership Experience
- Working together with a team of students we are constructing a quadruped robot that is operated with a PS2 controller.
- Currently I am in charge of developing a battery management system

## WORK EXPERIENCE

### REYNOLDS AND REYNOLDS | HARDWARE TECHNICIAN

Jan 2019 – April 2019 | College Station, TX

- Repaired hardware that came in through the RMA (Return merchandise authorization) process.
- Typically worked on color printers, dot matrix printers, and laser printers.

### WALMART | DELI ASSOCIATE

May 2019 - July 2019 | Waco, TX

- Assisting customers with deli food needs, and operating the deli within Walmart

### SKY JUMP CENTRAL | CASHIER | RIDE OPERATOR

Nov 2017 – Aug 2018 | Waco, TX

- Charge customers per ride and maintain general well-being of the equipment and the storefront
- Assist customers into ride and operate ride

### CELLARIS | SALES REPRESENTATIVE | CASHIER

Nov 2016 – Oct 2017 | Waco, TX

- Direct customers to items that fit their needs and close the sale
- Charge customers and maintain general wellbeing of the storefront