

Alisa Thomas

M.S. Electrical Engineering, Class of 2022

EDUCATION

The University of Texas at Dallas (UTD)

AUGUST 2017 - MAY 2021

B.S. Electrical Engineering

AUGUST 2020 - MAY 2022

M.S. Electrical Engineering- Signals and Systems (Fast Track)

EXPERIENCE

Boeing, Seattle, WA — Cabin and Network Systems Intern

MAY 2020 - AUGUST 2020

Performed RF analysis on the Wireless WAN Unit logs using **Python** to aid with development and testing of the 777x's Airplane Interface Device.

AT&T, Atlanta, GA — Network Engineering Intern

JUNE 2019 - AUGUST 2019

Used **Power BI** to track technician time reports to optimize time spent in training versus out in the field and led Intern Innovation Challenge team as Scrum Master to make an AR app for grocery store navigation.

Toyota, Plano, TX — Connected Technologies Co-Op

JANUARY 2019 - MAY 2019

Used tools like **Multicom** and **CANoe** to track vehicle CAN bus communication to diagnose and successfully solve issues relating to the vehicle's Telematics Unit: Data Communication Module.

PROJECTS

Raytheon UAS Senior Design Showcase — Team Lead

Currently leading my 7 member Senior Design team in **designing** and building an autonomous drone for Raytheon's UAS Showcase.

Covid-19 Fever Finder Device — IoT Lab Project

Currently working with **Raspberry Pi**, AWS, IR thermal camera, Raspberry Pi Camera, and ultrasonic sensor to detect if a person entering a room has a fever.

SKILLS

Matlab

C++

Verilog

Fusion360

FPGA

Python

Javascript

PSpice

Mathematica

SDR (Radio)

LEADERSHIP

WEHack UTD- Co-Founder

Led a 30-person team to create and execute UTD's first gender-focused hackathon.

SWE UTD- President

Grew section membership by 150%, doubled size of the officer team, and won Outstanding Student Organization Award at UTD.

IEEE UTD- Operations Chair

Established and led the Events Committee and managed corporate relationships.

AIAA UTD- Workshop Lead

Led Matlab workshops for beginners.

AWARDS AND HONORS

UT Dallas Honors College
Academic Excellence Scholar
Dean's List Recognition