

# Darin Peries

## Education

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### Texas A&M University, College Station, Texas

Sophomore Computer Engineering, Brown Engineering Honors, GPA 3.9. Graduating May 2025.

### Stephen F. Austin High School, Sugar Land, TX

Graduated Summa Cum Laude (August 2017-June2021)

## Skills

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**Programming Languages:** Java, C++, JavaScript, HTML, CSS, Typescript, Python, XML

**Frameworks:** Angular, React, Spring Boot

**Technologies:** Docker, Kubernetes, Jenkins CI/CD Pipeline, AWS IOT, Make file, SwaggerUI, Maven, Kafka, MongoDB, HTTP and MQTT Protocols, Linux Operating System

**Hardware:** Raspberry PI

## Work Experience

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### Hewlett Packard Enterprise

*June 2022-August 2022*

Software Engineering Intern, Full stack Developer

- Migrated an existing application to a microservice based architecture. Created the backend microservices using Java and MongoDB. Used React for the frontend
- The project was done to solve a scalability issue the team was facing with their existing application. Ran 70% faster than the previous application.
- Tested the created API with SwaggerUI and Postman and deployed the microservices to Kubernetes
- Following the completion of the intern project, the team had me work on a prototype user interface for one of their upcoming projects using Angular

### Kumon North America

*July 2019-July2021*

Math and Reading tutor

- Tutored children ranging from kindergarten to high school
- Developed efficient communication skills to talk with people of different ages and backgrounds

## Projects

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### Data Structures and Algorithms Class Project

*April 2022-May 2022*

- Created a class in C++ to instantiate a graph data structure from user input
- Ran Dijkstra's and Prim's algorithm as optional functions
- Used a Priority Queue and an adjacency list to have an efficient runtime

[https://github.com/dperry17/221\\_project/](https://github.com/dperry17/221_project/)

### AWS IOT Temperature and Humidity Tracking project

*June 2021-August 2021*

- Developed programs to collect temperature and humidity data of my plants to prolong their life
- Connected sensors to a Raspberry PI device
- Sent data to AWS cloud using MQTT protocol and perform visual trending and predictive analysis using python libraries such as NumPy and pandas

[https://github.com/dperry17/temperature\\_and\\_humidity\\_project](https://github.com/dperry17/temperature_and_humidity_project)

### 'The Brute VR' project

*September 2022-Present*

- Currently working in a group of 13 to create a virtual reality game using C#, gesture recognition, and the unity game engine

## Organizations/Leadership

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### Texas A&M Institute for the Development and Education of

Treasurer

*August 2022-present*

- Kept track of the organization's funds
- Organized profit shares to support local businesses as well as other fundraising events
- Raised \$1,000 for a local business

### Aggie Coding Club

*August 2021-present*

- Participated in the organization's workshops to learn new skills and joined some of their projects