

## EDUCATION

**The University of Texas at Dallas** | BS Computer Science | GPA: 3.77 May 2023

Coursework: Data Structures & Algorithms, Database Systems, C/C++ Programming in a UNIX Environment, Software Engineering, Computer Architecture, Digital Circuits, Probability Theory and Statistics

## SKILLS

Java, Python, C, C++, JavaScript, TypeScript, HTML, CSS, Bootstrap, Assembly (MIPS), OpenCV, Flask, React, Node.js, SQL, MongoDB

## WORK EXPERIENCE

**UTD Computer Science Mentor Center** – Mentor Aug 2021 – Present

- Mentoring 25+ students weekly on courses such as Data Structures and Computer Architecture
- Holding 1 on 1 sessions with students to guide them to write clean and efficient **Java**, **C++** code

**UTD Software Evolution Research** – Student Worker Aug 2020 – Dec 2020

- Worked in a team of 4 to identify patterns in large programs to improve requirements-to-code traceability
- Analyzed open-source **Java** code to trace data constraints in documentation back to source code
- Annotated data constraints in software artifacts (User manual, requirements, code documentation)

## TECHNICAL PROJECTS

**Flexcel-Cloud** – Independent Project Jan 2021 – Sep 2021

- Developed storage feature using **Python** to prevent user data loss
- Built REST APIs endpoints using Flask and deployed backend to cloud using Heroku
- Used MongoDB to store user flows and user metadata such as emails, results in a JSON format

**Auto.Path** – Independent Project Jun 2021 – Aug 2021

- Developed a computer vision application using **Python** and OpenCV that performs object detection
- Utilized Canny and Hough Line Transformation functions to detect lanes from car cameras
- Implemented Haar feature-based cascade classifier to train and detect cars from input video

**IEEE CAS Dallas** – Web Developer Jun 2020 – Apr 2021

- Redesigned website from WordPress to React User Interface
- Built new UI/UX features through React components to improve website design and functionality
- Continually improved website design and content based on tailored user and management feedback

**Parrot.AI** – Independent Project Mar 2020 – May 2020

- Built a chatbot using **Java** and PircBot Framework displays weather details at a requested location
- Implemented a HTTP Client class to respond to information requests from a weather REST API

## LEADERSHIP ACTIVITIES

**IEEE UTD** – Tech Committee Member Aug 2019 – Mar 2020

- Guided 15+ students through Arduino workshop activities, increasing student participation by 20%
- Increased recruitment of new members by 32% by increasing social media presence

## ADDITIONAL INFORMATION

**Interests:** Basketball, Table Tennis, Music Production, Chess