

EDUCATION

The University of Texas at Dallas | BS Computer Science | GPA: 3.68 May 2023

Coursework: Data Structures & Algorithms, Database Systems, C/C++ Programming in a UNIX Environment, Software Engineering, Computer Architecture, Organization of Programming Languages

SKILLS

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

WORK EXPERIENCE

UTD Computer Science Mentor Center – Mentor Aug 2021 – Present

- Mentoring 15+ students weekly on courses involving **Java**, **C++**, Discrete Math and Computer Architecture
- Hosted review sessions and exam reworks for students on UTD CS courses

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** projects 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