

# Chuong Tran

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## EDUCATION

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University of Houston,

Houston, TX

**Bachelor of Science, Computer Science**

Expected December 2023

- GPA: 3.92
- Awards: Dean's Distinguished Scholars List, 2<sup>nd</sup> place in CodeRED Artemis 2021 Hackathon General Challenge.
- Coursework: Data Structure and Algorithm, Object-oriented Programming, Database Systems, Statistics, Discrete Mathematics.

## EXPERIENCE

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University of Houston

Houston, TX

Teaching Assistant | COSC-2436 Programming and Data Structures

August 2022 – Present

- Organized and prepared lab materials, in-class activities, and exam questions that meet learning objectives.
- Conducted weekly lab with capacity of 120 to consolidate course concepts, assisted students with homework, and assignments.
- Held office hours to help students with code review, debugging in **C++**, and gave feedback based on performances.

## PROJECTS

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### Space Program API

- Built back-end using **Node, Express** that handled user input, fetched data from open API, and regulated data with **MongoDB** database for client React app.
- Created test cases to automate **API testing** with **Supertest**.
- Deployed and managed application with **Docker** as container and **AWS EC2**.

### Workplace Accident App

- Implemented user interface of web app using **React** that allowed users to add and modify locations, times, and descriptions of accidents.
- Collaborated with team of 3 peers to design and build project within **24 hours** and won **2<sup>nd</sup> place in CodeRED Artemis 2021 Hackathon General Challenge**.

### Place Sharing App

- Built a **MERN Stack** application using **React, Node, Express, and HTML/CSS** that allowed users to share places with images, locations, descriptions with others.
- Designed a custom **REST API** for user authentication, authorization, and storing data.
- Implemented scalable and distributed storage with **MongoDB** database.

### Disney+ Clone

- Built **responsive** user interface of web app using **React, Redux** that contained information and details of movies which were retrieved from **Firestore** database.
- Created secure authentication and hosted web app with **Firebase**.

## SKILLS

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**Languages:** C/C++, Java, JavaScript, Python, SQL, R.

**Web Development:** React.js, Redux, Node.js, Express.js, HTML/CSS, REST API.

**Database:** MongoDB, Firestore, MySQL.

**Tools:** Git/GitHub, Docker, AWS EC2, Firebase, Postman.