

ZHUO CHEN

✉ zhuodannychen@gmail.com ☎ 469-782-6312 🌐 zhuodannychen 📄 zhuodannychen 📁 zhuodannychen.github.io

EDUCATION

Texas A&M University

B.S. in Computer Science

2020 - 2023

GPA: 4.0/4.0

- Courses: Discrete Math, Linear Algebra, Multivariable Calculus, Intro to Program Design & Concepts, Principles of Statistics

EXPERIENCE

12th Unmanned Autodrive Team

College Station, TX

Undergraduate Researcher | Lab directed by Dezhen Song and Jian Tao, Dept CS&E, TAMU

Jan. 2021 - Present

- Building a level-4 autonomous vehicle to compete in the SAE Autodrive Challenge
- Developing virtualized environments to reduce the time and cost of building AVs through simulated training

Aggie Coding Club

College Station, TX

Project Manager, Full-Stack Developer

Sept. 2020 - Dec. 2020

- Created a web application that notifies students when filled courses are available during class registration, saving time and maximizing the chance for students to get a filled course
- Delegated project tasks and roles to 17 members based on individual strength and interest
- Tracked project performance to analyze the completion of short and long-term plans
- Developed the project using **MongoDB, ExpressJS, ReactJS, NodeJS**, and **Python**

Computer Science Club

Plano, TX

Senior Executive Officer

Aug. 2019 - June 2020

- Led teams to win at multiple programming competitions including Lockheed Martin CodeQuest
- Coordinated a regional programming contest with 150+ participants to encourage involvement in computer science
- Lectured on advanced algorithms and data-structures to upperclassmen that appear frequently in contests
- Interviewed and recruited candidates through behavioral and algorithmic questions to find new officers

PROJECTS

StockBot

Sept. 2020

- Developed a Discord bot using **Python** to facilitate the discussion of trading and investing for college students on Discord
- Forecasted stock prices using a **Tensorflow LSTM** model trained with data from Alpha Vantage API
- Returned real-time stock information by scrapping data from Yahoo Finance with **BeautifulSoup**
- Won best overall, most creative, and most useful for Capsher Coding Challenge 2020

CLearn

July 2020

- Compiled data from the 5000 most frequent Chinese characters dataset to help users learn new Chinese characters
- Predicted hand-drawn chinese character digits using a **Convolutional Neural Network** with 98% accuracy
- Created an algorithm to estimate the number of Chinese characters a user knows with a 3 minute test
- Developed using **MongoDB, ExpressJS, ReactJS, NodeJS**, and **Tensorflow**

Wolf Programming Invitational Contest

Feb. 2020

- Coordinated and planned an annual programming contest with 150+ high school participants to encourage involvement in computer science
- Designed, wrote, and solved problems in the packet to maintain consistency
- Assisted with event management and judging to ensure a smooth operation of the event
- Formatted packet in **LaTeX**, wrote solutions in **Java** and **Python**

ACHIEVEMENTS

- 1st Place Capsher Coding Challenge 2020
- 1st Place Frozen Eagle Invitational Contest 2020
- 2nd Place Pariveda Solutions Coding Challenge 2020
- 2nd Place Lockheed Martin CodeQuest 2020
- 2nd Place UTD Invitational Contest 2020
- 8th Place TAMU Fall Programming Contest 2020

SKILLS & INTERESTS

Languages: Proficient in Python, C++; Familiar with Java, Javascript, HTML/CSS, LaTeX, Bash

Technologies: Tensorflow, PyTorch, MongoDB, ExpressJS, ReactJS, NodeJS, Git, Heroku, Vim

Soft Skills: Bilingual Communication (English, Chinese), Initiative, Goal Setting

Interests: Machine Learning, Competitive Programming, Trading