Tommy Dong

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EDUCATION

Missouri University of Science and Technology *Graduating May 2022*
Bachelor of Science, Computer Science *3.716 GPA*

EXPERIENCE AND ACTIVITIES

Multirotor Design Team *Aug 2018 - Current*

- Designed and developed a React.js and Electron desktop app to control four custom-built autonomous drones for the *International Aerial Robotics Challenge*
- Simplified the ability to send commands to custom built autonomous drones for less experienced members with the app
- Implemented basic networking features with TCP sockets to allow sending autonomous movement commands to drones through the computer
- Created graphical user interface for graphing flight data using Python

ACM - SIG Comp *Oct 2018 - Current*

- Worked in groups to solve traditional programming questions within an hour
- Won the 2019 Megaminer AI programming competition with a teammate
    - Competition was hosted by ACM - SIG Game

Mortgage Intern *Jun 2019 - Aug 2019*
First State Bank of St. Charles

- Reviewed mortgage loans for the purpose of reverifying borrower information
- Managed and organized over 100 loans and kept track of over 6 separate documents for each loan

Manager *Aug 2016 - Jul 2018*
China King (Restaurant)

- Trained four part-time cashiers on how to operate computer systems
- Troubleshooted technical issues with computer systems, landline phones, and more
- Translated for restaurant owner to third parties for various business needs
- Provided customer service and resolved issues with customer orders

SKILLS

Software

- Javascript/HTML/CSS
- Python
- C++
- React.js
- Node.js
- Electron.js

Design

- Figma
- Adobe Illustrator
- Affinity Designer

PROJECTS

More information available on my GitHub and my website

Drone Action Board

- Created an electron-based app that allows users to run autonomous functions on drones built from scratch by the Multirotor Design Team and bridge the gap between software knowledge and software usage
- Based on React.js for visual styling and structure uses Node.js as a TCP client in order to send data to a Python backend server
- Eventually meant to serve as the only dependency required to use autonomous software outside of testing and debugging purposes

ACT Calculator

- Utilized React.js framework to quickly develop and deploy a website that calculates a final score for the ACT test based on your performance in each section (english, math, science, and reading)