(737)-210-0609 caderoyal@gmail.com

Cade Royal

www.github.com/caderoyal www.caderoyal.com

Education

College Station, TX **Texas A&M University** **August 2021- May 2025**
- **Major:** Computer Science GPA: 3.91 (in-major GPA: 4.0)
- **Programming Coursework:** Data Structures and Algorithms, Discrete Structures in Computing, Computer Organization, Programming Languages, etc.

Employment

Summer Manufacturing Assistant **Reynolds and Reynolds** **May 2023- Current**
Keytrak (https://www.reyrey.com/solutions/vehicle-management/keytrak-edge): Tracking car keys for dealerships
- Built servers for deployment in dealerships
- Built rapport inside Reynolds and Reynolds in order to secure software engineering internship for Summer 2024
- Learned about hardware and software functionality

Student Assistant **Texas A&M University Department of Chemistry** **August 2022- May 2023**
X-ray Diffraction Laboratory (https://xray.chem.tamu.edu/) and NMR Laboratory (https://nmr.chem.tamu.edu/)
- Designed and Built Oxygen Monitoring System using an arduino for Helium Recovery Facility
- Refilled Cryogens for both NMR and X-Ray Diffractions laboratories
- Was responsible for general laboratory cleanliness in X-ray diffraction lab
- Will continue to work here during school year, working elsewhere during summers

Software Projects

Personal Website: www.caderoyal.com (*for additional information*)

Personal Website
- Developed webpage using HTML and CSS for personal and professional use
- Integrated an embedded pdf that will work on both desktop and mobile browsers
- Hosted on Github using Github pages
- Utilized: HTML/CSS, Git, etc.

Tic-Tac-Toe Game
- Deployed on my personal website
- Developed using HTML and CSS with game logic determined in javascript
- Utilized: HTML/CSS, Git, Javascript, etc.

Attendance Application
- Developed application to keep track of fictitious “attendance logs” for Programming Languages Course (CSCE 314)
- Given input file of raw data, established objects and data structures to store said data
- Utilized: JavaFX, Java, fxml files, etc.

Oxygen Monitoring System
- Built to monitor Oxygen levels in Helium Recovery Facility in order to detect potential Helium leaks
- Used an Arduino and oxygen sensor to set off lights and buzzers in cases of light and extreme conditions
- Utilized: C++, Git, etc.

Skills

Software: (*proficient*): C++, Python, Unix, Java, Excel (*familiar*): HTML/CSS, Git, JavaFX, C, Javascript