

Kenneth Yi

Creative and driven student with an open mind and practiced programming skills in Java, HTML, CSS, and C. Reliable with deadlines and experienced in teamwork and leadership. Passionate about software and programming.

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Education:

University of Texas at Austin

Bachelor of Science in Computer Science

May 2024

GPA: 3.9569

Coursework: Introduction to Programming(CS 312), Discrete Mathematics(CS 311), Data Structures(CS 314), Computer Organization and Architecture(CS 429), Differential Equations with Linear Algebra(M427J)

Skills:Java, HTML, CSS, C, Git, Linux, Android Studio, MatLab/Simulink, RobotC, Word, Powerpoint, Excel, Docs, Slides, Sheets

Programming Experience:

BEST Robotics - Head Programmer, Web Designer

Aug 2016 - May 2020

- Led a group of skilled programmers to program our robot using MatLab/Simulink and RobotC.
- Programmed a multitude of different mechanisms such as winches, claws, servos, and motors.
- Developed an autonomous program to deliver cargo to certain areas in the field using encoders.
- Created a website for our team using HTML and CSS to promote our team.

First Tech Challenge - Team Leader, Head Programmer

Aug 2014 - May 2020

- Led team to multiple state competition appearances through the emphasis on teamwork and an organized and structured system.
- Created autonomous programs in Android Studio and Java that accomplished a variety of tasks every year .
- Developed an image and color sensing program using TensorFlow and Vuforia camera recognition.
- Developed odometry with sensors and encoders to use in the autonomous programs.

First Robotics Competition - Programmer, Scouter

Aug 2018 - May 2020

- Developed a camera system that would allow the driver to have vision during a “sandstorm” period.
- Implemented a Limelight to calculate values of light off of reflected tape to auto position the robot.
- Developed our version of swerve drive by using trigonometry to calculate the angle in which each wheel would have to be to drive in a certain direction, giving the driver total control of the robot in a 2d playing field.

Work Experience:

City of Laredo - Lifeguard

Summer 2021

- Worked for the City of Laredo to watch over the public pools during public hours and water aerobics.
- Worked with a team of lifeguards to ensure safety for the people using the pools.

Chick Fil A - Kitchen Worker

Nov 2019-Jan 2020

- Worked in the back as a Kitchen worker, jobs included prepping food, cooking food, and serving food, as well as keeping a clean area by sweeping, mopping, and doing dishes.

Personal Projects:

Personal Website - HTML, CSS, JavaScript

- Created a personal website to present myself to those that want to get to know me.
- Used CSS and JavaScript to implement animations and functions.

Honors:

- University Honors

2020-2021

Additional Information:

Certifications: OSHA, AutoCad, Inventor, Fusion360, Lifeguarding/First Aid/CPR/AED

Languages: Fluent in Korean