

Kangji Chen

(832) 693-0792 | kangji1999@utexas.edu

EDUCATION

BS, Electrical and Computer Engineering focusing on Software Engineering & Design, May/2022

Minor: Business

The University of Texas at Austin

Upper Division GPA: 3.76/4.00

Overall GPA: 3.65/4.00

Personal Website: <https://kangji-chen.github.io>

Relevant Coursework: Circuit Theory, Linear Systems and Signals, Software Design and Implementation, Algorithm, Probability, Software Engineering and Design Laboratory, Digital Logic Design, Software Testing

WORK EXPERIENCE

Tutor of Varsity Tutor, 07/2019 – 03/2020

- SAT, Physics, Mathematics tutor
- 10+ students, many with 100+ points increase in SAT score

Customer Service, Spring Branch Welcome Center, 05/2015 – 08/2017

- Conducted state-required English language proficiency testing to students with a language other than English
- Student data entry with Microsoft Excel

ACADEMIC EXPERIENCE

Industry Project Design: Retail Defender from Texas Instruments, 09/2021 – Now

- Design a product that detects the removal of an object from the proximity sensor using capacitance
- Team Lead of a group of seven that is using the Agile design process

Digital Logic Design, 03/2021 – 05/2021

- Complete projects that simulate real systems on the FPGA board using Verilog: stopwatch, counter, adder
- Create High Level State Machine diagram for different systems
- Able to write testbench and produce behavioral waveform of the system

Web Development, Software Engineering and Design Laboratory, 09/2020 – 12/2020

- Created a website that emulates IMDB to provide information about cars
- Python, Flask, HTML, CSS, Bootstraps, JavaScript, REST API, and SQL utilized

Game Design: Space Invader, Introduction to Embedded Systems, 11/2018 – 12/2018

- Wrote effective programs using Keil with Assembly and C language
- Designed and built the circuit board connecting with a microcontroller and LCD for the game

SKILLS

Experienced in Assembly, Html, CSS, Python, Java, Verilog, C, and C++

Excellent speaking, reading, and writing skills in Mandarin Chinese

Software testing and website building

ACCOMPLISHMENTS

Recipient, the Association of Energy Service Companies (AESC) Scholarship, 2018-2020

Recipient, Kirk and Jean Pipkin Endowed Scholarship in Engineering, 2020-2021

Recipient, Frederic and Julia Weigl Scholarship, 2021-2022