

Tenzin Dhondup

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Education

Bachelor of Computer Engineering

May 2023

The University of Texas at Dallas

- Relevant Coursework: Programming Language Paradigms (Java) , Telecommunication Networks, Operating System Concepts (C), Computer Networks, Data Structures and Algorithms (Java), Computer Architecture (MIPS)

Projects & Activities

Project Owl, Senior Design Capstone

- Designed and presented a product utilizing Software Defined Radio to aid victims impacted by natural disasters.
- Developed a network of devices that can communicate to each other by sending data using GNU radio and CONDA environment.
- Corrected the communication code that previous teams couldn't figure out.

Website, Personal Project

- Utilized HTML to design a personal website that displays information about myself
- Applied CSS to create structure within my website
- Employed JavaScript to have the website present animations depending on the web browser size

Movie Seating System – Computer Science I

- Developed an application that theaters could use and accommodates for ticket types such as pricing, age, and seating
- Implemented algorithm to recommend best seating based on preference, availability, and distance from seats
- Incorporated 2d dynamic arrays and pointers (C++) to make sure there were no boundary issues

4 Bit CPU, Designer

- Worked with LogicWorks to design a 4-bit CPU that performs AND, OR, NOT, ADD, and would act as a counter
- Constructed a timeline for this project to coordinate with other projects within the class

VEX Online Challenge – Vex Robotics

- Developed code for simulated robots to perform controlled and automated tasks
- Coordinated with engineers, distributed work, and mentored underclassmen in Robot C programming

Stem Club, Vice President

- STEM think tank where we held discussion on current world problems and how they can be solved by our available technology

Experience/Technical Skills

Hey Tutor, Academic Instructor

Jan 2024 – Present

- Instructed and mentored students in mathematics and English, resulting in improved academic performance
- Collaborated with the Anaheim School District to deliver effective instruction and maintain a positive learning environment

Languages: C++, Java, Python, HTML, CSS, JavaScript, C, Racket, Robot C, MIPS

Tools & Certifications: OSHA, Autodesk Inventor, Wolfram Mathematics, Matlab, Pspice