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Minibunny14

Sachram Singh

Profile

- Has independent skills as well as being able to work in a team.
- Able to adapt, learn new skills and pay attention to detail.
- Can solve engineering (electronic and software) problems both theoretically and practically.
- Strong mathematical background besides engineering.

Education

2023–Present **BE(Hons) in Software Engineering**,
Victoria University of Wellington, Wellington, New Zealand

ENGR123 - Engineering Math with Logic & Stats	ENGR121 - Engineering Math Foundations	COMP102 - Introduction to Computor Program Design	COMP103 - Introduction to Data Structures & Algorithms
ENGR101 - Engineering Technology	ENGR110 - Engineering Design	CGRA151 - Intro to Comp Graphics & Games	CYBR171 - Cybersecurity Fundamentals
EEEN202 - Digital Electronics	SWEN221 - Software Development	SWEN225 - Software Design	NWEN241 - Systems Programming
NWEN243 - Clouds & Networking	CYBR271 - Code Security	ENGR201 - Engineering in Context	COMP261 - Algorithms & Data Structures

Experience

2021–Present **Part-time general staff**, *Balesses Kitchen Ltd*, Wellington
Performed tasks in the food manufacturing process such as packaging and manufacturing food in a factory environment, distribution of food products to customers on a weekly basis. Using and maintaining machines such as cooling conveyors, large mixers etc. is a big part of this process. This helped improve my: Communication skills, Management skills and Teamwork.

Skills

- Programming Languages: Java, C/C++, Python, Assembly, Processing, Terminal, LaTeX, JavaScript, Html, CSS.
- Analyse basic control systems.
- Able to operate the Oscilloscope, Signal Generator, Multi-meter.
- Design and build analogue/digital circuits using physical components such as IC (integrated circuit), capacitors etc. as well as diagnosing circuit problems.
- Assemble PC's and computer systems from component parts.
- Simulate and perform basic signal analysis using various mathematical techniques.

Projects

- Designed, built and programmed in C, a laser based system. The system detects obstructions in a conveyor belt system and will inform the operator with an alarm upon detection. The prototype for this system is currently being tested at Balesses Kitchen Ltd.
- Built a personal portfolio website, this can be viewed at: https://minibunny14.github.io/My_Portfolio/
- Designed, built and programmed in C++ an autonomous vehicle as part of a team project. The vehicle is designed to follow a line through a maze, which has some obstacles.