Baraa Darwish

Computer engineer and web developer.

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https://phoerest.github.io

EDUCATION

King Khalid University, Abha, Saudi Arabia — *Bachelor*

JANUARY 2013 - MAY 2019

Bachelor degree in Computer Engineering from the College of Computer Science.

JOBS

Control panel assembly, Konya, Turkey — *Oyas Asansör*

DECEMBER 2021 - JANUARY 2022

Helped in the process of assembling elevator control panels. My job differed from drilling, lifting, welding, wirestripping, connecting wires based on the provided scheme.

Maintenance, Abha, Saudi Arabia — *King Khalid University*

JUNE 2019 - AUGUST 2019

Helped in the maintenance of the university PCs and provided customer support for the employees..

PROJECTS

Graduation Project

Successfully implemented a smart cup to maintain the temperature of the liquid inside the cup. I used Arduino Nano as the microcontroller circuit, 3.7V 18650 lithium batteries with a 3s lithium battery management system as the power source, magnetic charger, a 2.13 inch E–Ink flexible display using SPI interface with custom built control interface, a custom made touch sensor for user input, the IRLZ44N logic power transistor to control the heat element and a heat element.

Web development portfolio — *https://phoerest.github.io*

Implemented snippets from 10 of my past projects in a single page including QR code generator using a library by Kazuhiko Arase, morse code converter, Sun & Moon info using a library by Vladimir Agafonkin and the wikipedia API, image filtering using the HTML5 canvas with custom written convolution algorithm, stop watch, multi unit converter, a custom made SVG polygon generator and a contact form using Google forms.

SKILLS

C/C++, HTML, SVG, PUGJS, CSS, SASS, Javascript, Typescript, React, IndexedDB, NodeJS, PHP, MySQL.

Tools

Arduino, VSCode, Github, NPM, Webpack, Firebase, Figma, Google Workplace, Adobe Suite, Microsoft 365.

LANGUAGES

Arabic (Native), English (Proficient), Turkish (Beginner).