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Rashid Abder Rahim

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Objective

Bilingual (English/Spanish) Computer Engineering freshman seeking a computing-related internship where I can use my skills in programming and prototyping to become a positive contributor to your organization's growth and success.

Education

University of California, San Diego June/2026
Bachelor of Science in Computer Engineering GPA: 4.00
Relevant coursework:
▪ CSE 12: Basic Data Structures and Objected Oriented Design
▪ CSE 20: Discrete Mathematics
▪ COGS 9: Introduction to Data Science

Skills

- Literate in Python (flow control statements, functions, I/O)
- Experienced in prototyping digital devices with Arduino and electronic modules.
- Familiar with electrical schematic design and PCB design with Altium Designer
- Knowledge of basic HTML and CSS for web development
- Familiar with Java for Android development

Certifications

CS50x, by Harvard University June/2021

- Coursework covered data structures, algorithms, software engineering and web development.
- Used C, Python, SQL, and JavaScript with HTML/CSS.

Experience

YONDER DYNAMICS, San Diego, California October/2022 – March/2023
Member of the Electrical Team

- Helped to create schematics for electrical components of a Mars rover.
- Designed multilayered printed circuit boards (PCBs) using Altium Designer.
- Soldered surface mounted devices (SMDs) and through hole components

Projects

- "Derivative calculator" mobile app for Android (Java)
  - App that finds the first and second derivative of any single variable function at a specific x-value. Learned how to use the Android Studio IDE and how to design responsive app layouts.
- RC Car (Arduino)
  - Chassis made of pieces of wood. The car is controlled by an Arduino UNO, and it consists of four DC motors, an L298N motor controller module and an HC-05 Bluetooth module. It can be controlled using an Android phone.
- Covid priority list for Peruvian regions (Python)
  - Project that takes information from several datasets (COVID cases per region, mortality rate, available medical centers, etc.) and assigns a score that measures the impact of COVID on every region in Peru. Used the pandas library and the Spyder IDE for this project.
- Fitness tracker (Arduino)
  - Project that approximates the number of steps and calories by sensing arm movement using an accelerometer. These values are transmitted in real time to a computer's serial monitor through an HC-05 Bluetooth module.