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Rashid Abder Rahim

▪ Website (more projects): rabder.github.io/personal-website ▪ LinkedIn: linkedin.com/in/rabder24/ ▪ GitHub: github.com/Rabder

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 and Java (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
- Familiar with electronics enclosure design using SOLIDWORKS.
- Knowledge of basic HTML and CSS for web development
- Comfortable with Premiere Pro for basic video editing.

Experience

NISHIMURA DESIGN, Tokyo, Japan July/2022 – August/2023
Product Design Intern

- Conducted user experience (UX) research to identify user needs for consideration for an enhanced checklist prototype.
- Crafted low fidelity sketches and wireframes to visualize the prototype's final design.
- Assembled a proof-of-concept electronic prototype using standard components.
- Designed the prototype's enclosure with SOLIDWORKS and Adobe Illustrator.

Clubs and Organizations

YONDER DYNAMICS, San Diego, CA, USA October/2022 – March 2023
Member of the electrical team

- Designed an early iteration of the science module PCB with Altium Designer.
- Soldered surface mounted devices (SMDs) and through hole components in different boards.
- Read electrical schematics and interpreted them to build simple prototypes.

Projects

- **"Derivative calculator" mobile app for Android (Java)**
  o 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.
- **Fitness tracker (Arduino)**
  o 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 with an HC-05 Bluetooth module.
- **Simple stereo amplifier**
  o Built a low power audio amplifier using an LM386 IC, a pair of subwoofers and miscellaneous electrical components. Designed the schematics and PCB with Altium Designer.