Rashid Abder Rahim Urbina

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Education

UC San Diego – San Diego, CA — September 2022 - June 2026
Bachelor of Science in Computer Engineering, Minor in Economics — GPA: 3.91, Major GPA: 4.00
Coursework: Signals and Systems, Analog Design, Data Structures, Discrete Math, Systems Programming, Probability and Statistics, Differential Equations and Linear Algebra.

Work Experience

Grupo Intercorp – Lima, Peru — June 2024 – September 2024
Software Engineer Intern – Project: Skill Routes with AI

- Developed an end-to-end software solution that generates personalized professional training courses leveraging Gen AI and Python Automation, reducing the course creation time for corporate learning programs by over 98% (600 minutes to 10 minutes).
- Integrated three Gen AI tools (Stack AI with GPT-4o, 360Learning, and VEED) using Selenium to streamline the workflow for creating tailored professional development materials.
- Built a React-based website framework, automatically populated at the end of the flow with course materials (video summary, textual content and evaluations) generated by the three tools.

Nishimura Design – Tokyo, Japan — July 2023 – August 2023
Product Design Intern – Project: RFID Checklist

- Conducted short interviews and created user journeys to identify user needs and pain points for a checklist proof of concept that incorporates an RFID reader.
- Led weekly training initiatives to upskill 4 coworkers in electronic prototyping and software debugging techniques.
- Assembled a proof-of-concept device, using standard electronic components and an Arduino microcontroller.
- Designed the enclosure using Adobe Illustrator and SOLIDWORKS, then manufactured it through a combination of laser cutting and 3D printing techniques.

Activities & Extracurriculars

Member of the Electrical Subteam, Yonder Dynamics, UCSD — October 2022 – March 2023

- Designed and ordered a PCB design for a rotary sample changer for a Mars Rover.
- Soldered through-hole components on PCBs, as well as SMD components using a reflow oven.
- Debugged circuits using standard electrical equipment, such as oscilloscopes and multimeters.

Projects

Smart Water Lid (UCSD, Engineering Hands-On Group Project) — April 2023 – June 2023

- Collaborated with two students in developing a water lid that tracks a user's daily consumption of water, using the Seeed Studio XIAO with the nRF52840 controller and a time-of-flight sensor.
- Debugged the source code and troubleshot the electronic components of the lid during development.

FM Radio and Stereo Amplifier (personal project) — January 2023 – February 2023

- Built a crude FM receiver, incorporating an LC resonator, an antenna, audio amplifier ICs and a pair of woofers. Designed the schematics and PCB of the project in Altium Designer.

Skills

- **Languages:** English and Spanish.
- **Programming Languages & Software:** C, C++, Python, Java, MATLAB, HTML/CSS, JavaScript, UNIX systems and Bash scripting.
- **CAD:** SOLIDWORKS, Altium Designer, KiCad.
- **Simulation programs:** LTSPICE/PSPICE, Simulink.