

# ARTHUR MIRANDA

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## TECHNICAL SKILLS

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Front-End development for Web and Mobile, Electronics, Robotics, Game dev

JavaScript, React, Next.js, Expo, AndroidStudio, Python, C, C#, Java, Unity, Arduino, R, Git

## EDUCATION

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### Bachelor of Computer Engineering

Universidade Federal de Pernambuco (UPE)

July 2022 – December 2027 (*Expected*)

Recife, Brazil

### Electronics Technician

Instituto Federal de Pernambuco (IFPE)

February 2016 – January 2020

Recife, Brazil

## EXPERIENCE

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### Front-End Developer

September 2023 – present

Recicletool

- Developed the Recicletool website and various Web and Mobile applications using Next.js and Expo;
- Collaborated with a team to deliver solutions for clients such as Heineken and Coca-Cola

### Teaching Assistant and Research Student

June 2019 – April 2022

IFPE/Synesthesia Vision Project

- Improved the code and electronic circuit of the "sensory glasses" using an ESP32 with the Arduino IDE;
- Engineered a location beacon operational within the proximity of the IFPE's Research Center to aid users of the sensory glasses in navigating through the Center;
- Organized and conducted the Synesthesia Vision Workshops for elementary school students from public schools in Recife, focusing on assistive technologies, electronics, programming, and 3D modeling;
- Assembled educational Arduino-based robots, electronic circuits, 3D models, and a comprehensive and didactic manual for the students.

### Research Student

June 2021 — December 2021

IFPE/Observatory of Environmental Policies and Public Expenditures (OPPA) Project.

- Analyzed the environmental-related public expenditures of the Brazilian federal government;
- Utilized R and RStudio to scrape, filter, and visualize the evolution of environmental expenses from 2008 to 2021 through graphics.

## PROJECTS AND ACTIVITIES

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### Projeto Justo

April 2023

Languages and Tools Utilized: JavaScript, React, JSON, CSS

- Developed a responsive web application that simulates the usage of the "Justa Bank" as a self-management entrepreneurs' bank;
- Designed a JSON server and HTTP protocols to store and access users' expenses.

### Member of the Eagles Robotics Team

November 2016 – December 2018

UTEC GREGÓRIO BEZERRA

- Participated in multiple editions of Brazil's RoboCup at the state and national levels;
- Assisted in transitioning from a fully EV3 LEGO robot to a combination of Raspberry Pi 3, electronic sensors, silicon wheels and LEGO chassis and motors.

## LANGUAGES

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Portuguese (Native), English (Fluent), Chinese (HSK2), Spanish (Basic)