

# Nafihu Lawal

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## Education

### CS50 Python

Harvard University (via edX)

August 2024

Completed an introductory course focused on Python programming. The course covered fundamental concepts including functions, arguments, return values, variables, types, conditionals, Boolean expressions, loops, and error handling.

### Skills Developed:

- Proficient in Python programming, including debugging, writing unit tests, and using third-party libraries.
- Experienced in data validation with regular expressions, object-oriented programming, and file handling.
- Practical hands-on experience with real-world programming problems through exercises and projects.

### Web Development Bootcamp

Just IT, Remote

July 2024

- Gained a solid foundation in web development, starting with HTML and CSS to structure and style web pages.
- Expanded skills with JavaScript, including DOM manipulation and working with APIs for dynamic content.
- Explored basics of databases and Python, adding back-end data management and versatile programming capabilities to my skill set.

### The Warren School Sixth Form, London

National Extended Diploma in Engineering Skills — Grade Achieved: DDD

September 2019 - June 2021

- **Key Subjects:** Health and Safety, Machining (Additive and Subtractive Manufacturing), Risk Assessment, CAD

## Work Experience

### NHS Vaccination Booking Agent

Recruitment Co HGS UK

April 2024 - May 2024 (4-week contract)

- Managed high call volumes, scheduling/rescheduling appointments, and ensuring all records were 100% accurate. My team handled over 3,000 calls daily.

- Provided clear, empathetic information on vaccine eligibility and appointments, ensuring customer satisfaction on every call.
- Communicated detailed information clearly over the phone and maintained accurate call logs for future reference and service improvement.
- Collaborated remotely with a team of over 30 individuals to ensure accurate bookings and consistent information delivery.
- Adapted quickly to changing guidelines and efficiently handled last-minute adjustments, including cancellations and reschedules.
- Resolved booking issues and eligibility concerns by finding alternative solutions or escalating issues as necessary.

## Relevant Experience

### University Applied Engineering Coursework

University of Nottingham

2022

- Designed and prototyped a fully autonomous vehicle equipped with a camera on a Raspberry Pi, using the OpenCV library to process the camera feed for environment navigation.
  - Successfully solved maze, line, and object-following challenges with the vehicle.
  - Developed a user interface with Node-Red to monitor vehicle statistics and its surroundings.
  - Implemented C++ to calculate PID control from the camera feed, transmitting data via I2C to an ESP32, which controlled the 3D-printed wheels.
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## Technical Skills

- **Programming Languages:** C, MATLAB, Python, JavaScript, HTML, CSS
- **Software:** PowerPoint, Word, Excel, Node-Red, MySQL
- **Technologies:** Raspberry Pi, LtSpice, Arduino
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