

Franck-Olivier Mbami

Test engineer - The Freescale Cup - Intelligent Car Racing

Philadelphia, PA - Email me on Indeed: [indeed.com/r/Franck-Olivier-Mbami/0a16ae1cc2df1d8b](https://www.indeed.com/r/Franck-Olivier-Mbami/0a16ae1cc2df1d8b)

Willing to relocate: Anywhere

Authorized to work in the US for any employer

WORK EXPERIENCE

Test engineer

The Freescale Cup - Intelligent Car Racing - Philadelphia, PA - January 2016 to Present

- Design and built an autonomous model racecar for the Freescale Cup Competition.
- Test and optimize performance of the PID controller of the servo for better turn proportion.
- Implement a torque vectoring algorithm to improve the cars handling and lap time.

Undergraduate Researcher

Temple University College - Philadelphia, PA - October 2014 to Present

- Develop an open-source mobile air quality monitor to measure primary pollutant, carbon monoxide.
- Design a schematic for a circuit board to be adapted with EC4-500-Co sensor and Arduino Uno.
- Program software to operate EC4-500-Co sensor using Arduino Uno.
- Collaborate with Philadelphia Air Management Lab to coordinate the calibration of EC4-500-Co sensor.

Computer Assistant Intern

The Free Library of Philadelphia - Philadelphia, PA - September 2013 to Present

- Administer computer support and training services.
- Advocate the usage of library's resources to improve computer user's experience.
- Offer proactive technical assistance to computer users.

Equipment Assembly Specialist, Bounder, packager

Aerotek, JFC Staffing, TempStart Staffing - Lancaster, PA - May 2008 to August 2015

Lancaster, PA

Equipment Assembly Specialist, Bounder, packager

05/2008 - 08/2015

- Constructed lawn & garden sprayers, as well as cattle and barn equipment accurately.
- Inspected parts to ensure that they meet specific engineering instructions.
- Implemented essential instructions to operate semi-complex equipment.
- Collected sheets of books and used binding equipment to finish production.
- Supervised assembly line workers and instructed them on skills necessary to make work process go smoother

RELAVENT COURSES

- MICROPROCESSOR • SIGNAL PROCESSING
- MICROELCTRONIC • CONTROL SYSTEMS
- DIGITAL COMMUNICATION • MODERN POWER SYSTEM ENGINEERING

EDUCATION

Bachelor of Science in Electrical Engineering

Temple University - Philadelphia, PA

May 2016

SKILLS

Technical: MATLAB, Multisim, AutoCAD, C Programming, Assembly Language, Verilog Design Language, Linear Systems Analysis, Windows. Language: Conversational and writing proficiency skills in Spanish and French

ADDITIONAL INFORMATION

SPECIAL SKILLS

Technical: MATLAB, Multisim, AutoCAD, C Programming, Assembly Language, Verilog Design Language, Linear Systems Analysis, Windows.