

JOEL BROWN

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EDUCATION

Eurecom

MS Computer Networks and Telecommunication (IoT)

Sophia-Antipolis, France

Sep 2024 - Aug 2026

University of the West Indies (UWI)

BSc Electrical Engineering *GPA: 3.73 (First Class)*

Kingston, Jamaica

Sep 2017 - Jun 2020

Alliance Française de la Jamaïque

DELFI B2

Kingston, Jamaica

June 2015 - June 2017

EXPERIENCE

Digicel

GNOC Engineer -> NMS Engineer

Kingston, Jamaica

Aug 2021 - Aug 2024

- Caribbean mobile phone network and home entertainment provider operating in 25 markets worldwide
- Managed and configured Linux-based servers (on-premise/Azure) for high availability and system integration
- Automated network monitoring processes to reduce manual intervention
- Developed and maintained network monitoring tools using Python, Perl, PHP, and custom scripts, optimizing network performance and log issue detection.

Alliance Française de la Jamaïque

French Teacher

Kingston, Jamaica

Mar 2024 - Aug 2024

- Designed French courses (A1 - B2), incorporating cultural elements to enhance language learning.

Academie de Nantes

Assistant de Langue

Angers, France

Oct 2020 - May 2021

- Taught English to primary school students (CP to CM2), designing engaging lesson plans that catered to different learning levels and abilities.
- Developed and implemented lesson plans for teaching math and history in French, integrating language learning with core academic subjects.

SKILLS

Programming Languages:	Python, Go, Javascript, C, PHP, SQL, Dart
Frameworks & Technologies:	React, Laravel (php), Flutter, Flask
Cloud & Tools:	Microsoft Azure, Linux Server Administration
Languages:	English (Native), French (B2)

PROJECTS

Caribbean Log Tracker *React, Laravel, MySQL*

<https://github.com/RizPur/LoginMap>

Full Stack Web Application used to record and track log data across the Caribbean region.

Eye Tracking Augmentative and Alternative Communication System *Python, JavaScript, C*

<https://github.com/RizPur/EyeTracker/>

A system that enables the user to type with their eyes

Gun Shot Detector *React, Django, PyTorch*

<https://github.com/RizPur/GunShotDetector>

Designed to detect and classify gunshots in real-time and display them on a Jamaica map interface.

Somnia *Flutter*

<https://github.com/RizPur/LucidLogs>

A Flutter-based dream journaling app that allows users to log and analyze their dreams using AI. It integrates with an OpenAI backend to help users track and understand their dream patterns. Currently in beta on the Google Playstore

NetSim5G *Go, React*

5G network simulator that models core network functions (AMF, SMF, UPF, UDM) and visualizes real-time packet flow through the network architecture.

AWARDS

JAIA Hackathon 2023 Winner

Jamaica Artificial Intelligence Association / UWI

1st place for AI-powered gunshot detection system with real-time classification and geospatial mapping Sep 2023