Harold Medina
Full-Stack Developer

🏠 Moncton, New Brunswick, Canada

📫 hmedinasantacruz@gmail.com

🖥 haroldmedina.ca

 GitHub: hams10 LinkedIn: hams10

Education

Web and Mobile Application Development Diploma | New Brunswick Community College | Moncton, New Brunswick | September 2022 – June 2024

Electronic Engineering Bachelor Degree | Universidad del Valle | Cali, Valle del Cauca | September 2017 – June 2022

Electronic Technology Bachelor Degree | Institucion Universitaria Antonio Jose Camacho | Cali, Valle del Cauca | January 2013 – June 2016

Skills

Languages: C, C++, Rust, C#, Java, JavaScript, TypeScript, PHP, Dart, Swift, Kotlin, HTML, CSS, Python, SQL, No-SQL.

Frameworks/Libraries: NodeJs, Angular, Spring Boot, ASP.NET, Flutter.

Tools & Technologies: Git, Visual Studio Code, IntelliJ, XCode, Android Studio.

Experience

Conformal Coating Machine Operator | CE3 Electronics, Moncton, New Brunswick | July 2024 – Present
- Design, programming and implementation of conformal coating paint patterns.
- Mechanic preventive maintenance of machines.

PCB Assembler | CE3 Electronics, Moncton, New Brunswick | April 2023 – June 2024
- Electronic discharge standard for the PCB manipulation.
- Current standards of assembly and design of PCB projects.

Network Design and Maintenance Engineer | SISCOHUILA, Colombia | April 2020–June 2022
- Charge of the technical section on design, installation, maintenance, and programming of fibre optic equipment.
- Maintenance of networks IPv4 and IPv6.

Projects

Multiple Sequence Alignment by MAFFT Algorithm   August 2021–June 2022
- Implemented an accelerator in hardware for the algorithm MAFFT.
- The project was implemented using the platform De10-Nano Soc.

Machine Control by Computer vision   August 2015–June 2016
- Interface software-hardware to manipulate an elevator prototype.
- The system was built in GNU/Linux in C++ and using OpenCV libraries.

Aditional Activities

Volunteer Work: Planting trees with TDTrees at St-Anselme Park, 505 Melanson Road, Dieppe. October 14, 2023

Volunteer Work: Planting trees with TDTrees at Lakeburn Park, 60 Copp Street, Dieppe.   September 24, 2023