

# Hector Daniel Tenezaca Bejarano

FullStack Web Developer | Mechatronic Engineer | Passion for Data Science

## Contact

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 [www.github.com/danthb](https://www.github.com/danthb)

## About me

FullStack Developer passionate about the software world, with knowledge in UX/UI and a background in Mechatronic engineering. Passion for Data Science

## Languages

English: Intermediate

## Skills

- Frontend Development
  - o HTML, CSS, JS,
  - o Bootstrap,
  - o React
  - o Jest
- Backend Development
  - o Flask
  - o NodeJS
- Database Design
  - o SQL
  - o MongoDB
- UX/UI Design
  - o Adobe XD
- Computer Vision
  - o Python, C++
  - o OpenCV
- Data Science
  - o Python
- Electronic Design
  - o Altium Designer
- CAD, CAM, CAE Design
  - o AutoCAD
  - o SolidWorks

## Experience

### Freelancer

Full-Stack Web Developer

Present

- Frontend development
- Database design
- Backend development

### ATOM Capacitaciones & Asesorías

Professor (per project)

2021-Present

- Teach and support in math, physics, chemistry homework.
- Academic leveling for students who are beginning college.

### Universidad de las Fuerzas Armadas - ESPE

Student Research assistant.

2018 - 2019

- Development for computer vision applications.
- Mechanic design and maintenance for ground robots.
- Electronic Design (Altium Designer).
- Scientific divulgation.
  - o Author: Implementation of Dubin curves-based RRT\* (Rapidly-exploring random tree) using an aerial image for the determination of obstacles and path planning to avoid them during displacement of the mobile robot.

### Empresa Municipal de Agua Potable y Alcantarillado (Ecuador)

Operation and Maintenance Intern

2017

- Programming, configuration of PLC and frequency converters. (Siemens, Allen Bradley, and Schneider)
- Predictive, preventive, and corrective maintenance of centrifugal pumps and electrical panels.
- Electrical panel design (AutoCAD).

## Education

### Universidad de las Fuerzas Armadas – ESPE

Mechatronic engineer.

2013 – 2019

## Certifications

### Massachusetts Institute of Technology (MIT)

Professional Certificate in Coding: Full Stack Development with MERN

2022

### CORFOPYM

Prevention in Laboral risks.

2019

## Extracurricular activities

### Westin Portland HarborView - Portland, ME

Housekeeper.

2019

### MICRADS'19

Speaker.

2019

### III Congreso de Tendencias y Aplicaciones de la Mecatrónica

Speaker.

2018

### Universidad de las Fuerzas Armadas – ESPE

Robotics challenge.

2016 – 2017

- 2nd second place in insect race.
- 2nd place in 120 lb. robot battle.