

# CESAR AUGUSTO MARTINEZ A

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GitHub: <https://github.com/CesarAugustoMartinez> | Portfolio:

<https://cesaraugustomartinez.github.io/Portfolio/>

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## FULL-STACK WEB DEVELOPER WITH A BACHELOR'S DEGREE IN SYSTEMS ENGINEERING AND A PROVEN DATABASE AND GIS BACKGROUND

Full-Stack Web Developer with a Bachelor's degree in Systems Engineering and a proven database and GIS background. A graduate of Johns Hopkins University with a certificate in Full Stack Web Development expanding on programming languages and technologies like HTML, CSS, JavaScript, C++, PHP, and databases as Oracle, MySQL, and Access. Ability to solve complex problems and track record as a General Manager and Co-owner of Msportswear. Demonstrated experience managing projects for IT systems and manufacturing processes using the latest technologies in this area.

A penchant professional with an aptitude to work independently and collaboratively to drive feasible outcomes under pressure. Looking to leverage web development and database; to create intuitive apps to help people and improve systems. Fluent in English and Spanish.

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## TECHNICAL SKILLS

**Databases:** Oracle, MySQL, Access, SQL Server, MongoDB

**Developer Programs:** Oracle JDeveloper 11g, Visual Basic 6.0, ASP.NET (Web Forms, MVC), Visual C++, Dreamweaver, Oracle Forms, MySQL Workbench, Data Warehouse, NetLogo 4.1.3, Node Js

**Geographic Information Systems:** Arcgis 9.3, Arcgis 10.0, ArcScene 10.0, ENVI, IDRISI SELVA

**Programming Languages:** Java, C++, HTML5, PHP, BASIC, JavaScript, jQuery, CSS, JSON

**CSS Frameworks:** Bootstrap, Materialize

**Networking Protocols:** DNS, DHCP, HTTP, OSPF, EIGRP, TFTP, Frame Relay, ATM2

**Operating Systems:** Windows, Linux, MAC OS

**Other:** Heroku, Git, Bash, Microsoft Office Suite, Adobe Illustrator, DBeaver, Microsoft Office Suite

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## PROJECTS

**Bike Shop App** - [vast-woodland-01889.herokuapp.com](https://vast-woodland-01889.herokuapp.com) | [github.com/chernanma/BikeShopApp](https://github.com/chernanma/BikeShopApp) **2020**

*Full-stack web app that allows users to select bicycles by brand name, accessories, and service request.*

- The user will have the ability to view the actual image of their selection along with the price and inventory in –stock associated with each item.
- This webpage contains fully functional forms for the users and members to sign in, along with operational features that allow them to easily navigate , view options, make selections, and checkout successfully
- Tools used: HTML5, CSS, JavaScript, jQuery, Node.js, Visual Studio Code, Bootstrap, Express, Handlebars, Inquire, MySQL, MVC model.

**Trail Mixer** - [github.com/lucasBRYG/Group-Project-1](https://github.com/lucasBRYG/Group-Project-1) | [lucasbryg.github.io/Group-Project-1/](https://lucasbryg.github.io/Group-Project-1/) **2020**

*Full-stack web app where hiking, biking, running, and ski trails info can be found nearby user's location.*

- The user can explore new trails as well as get a general idea of what the trail entails.
- In charge of the complete back-end and front-end development to gather all data from third party APIs and display the most accurate data search for final user
- Tools used: HTML5, CSS, JavaScript, jQuery, Materialize CSS, Visual Studio Code, Open Weather API, and Hiking Project API.

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## EXPERIENCE

**Full-Stack Web Developer**  
**Msportswear USA**

**2018 - present**  
**Gaithersburg, MD**

Website developer and administrator – attracted new customers with website and social media enhancements. Implemented database system to manage clothes inventory for the web page and developing mobile app.

**KEY ACHIEVEMENTS:**

- Web site: <http://www.martinezsportswear.com/>

### **General Manager, Co-Owner**

#### **Msportswear Cia. Ltda ECU**

**2012 – 2018**

**Cuenca, AZU - Ecuador**

Created family-owned company while studying for Master's degree. Manage projects for IT systems and manufacturing processes using the latest technologies.

#### **KEY ACHIEVEMENTS:**

- Oversee production of high-quality competition clothing for high-endurance athletes.
- Income and production grew 300% between 2012 and 2013, 100% from 2015 to 2016 and 100% from 2016 to 2017.

### **System Engineer**

#### **“Hogar del Ecuador” Foundation**

**2014 – 2015**

**Cuenca, AZU - Ecuador**

Website developer and Network administrator.

#### **KEY ACHIEVEMENTS:**

- Attracted new customers with website and social media enhancements.
- Online Radio developed for the foundation.

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## **EDUCATION**

### **Bootcamp Certificate in Full Stack Web Development**

#### **Jhon Hopkins University – BALTIMORE, MD**

A 24-week intensive program focused on gaining technical programming skills in HTML5, CSS3, JavaScript, jQuery, Bootstrap, Firebase, Node Js, MySQL, MongoDB, Express, Handelbars.js & ReactJS.

### **Cisco CCNA Routing and Switching Program**

#### **Montgomery College – GERMANTOWN, MD**

A 12-week intensive program focused on Construct simple LANs, perform basic configurations for routers and switches, implement IP addressing schemes, and resolve common issues with RIPv1, RIPv2, single-area and multi-area OSPF, virtual LANs, and inter-VLAN routing in both IPv4 and IPv6 networks.

### **Bachelor's Degree - Information Systems Engineering**

#### **University of Azuay – CUENCA, Azuay - Ecuador**

US Degree equivalence evaluation from WES available upon request.

### **Most Important Projects**

- Created Web-based application for the administrative control of a sports academy (The Inline Speed Skating Federation of Azuay, an Ecuadorian province)
  - **Database:** MySQL
  - **Programming Language:** Oracle JDeveloper 11g
  - This application was the final Project for graduation in Information Systems Engineering
  - Received perfect score for this final Project from the faculty
- Created Information Management System for the Water Utility in Cuenca, Ecuador
  - **Database:** MySQL
  - **Programming Language:** PHP

### **Technologies and Systems**

- **Databases:** Oracle, MySQL, Access, SQL Server.
- **Developer Programs:** Oracle JDeveloper 11g, Visual Basic 6.0, ASP.NET (Web Forms, MVC), Visual C++, Prolog, Dreamweaver, Oracle Forms, MySQL Workbench, Data Warehouse, NetLogo 4.1.3
- **Geographic Information Systems:** Arcgis 9.3, Arcgis 10.0, ArcScene 10.0, ENVI, IDRISI SELVA
- **Programming Languages:** Java, C++, XML, HTML, PHP, ADF, BASIC, JavaScript,
- **Networking Protocols:** DNS, DHCP, HTTP, OSPF, EIGRP, TFTP, Frame Relay, ATM2

- **Operating Systems:** Windows, Linux, MAC OS

**Masters Candidate - Geographic Information Systems with emphasis on Land Planning**  
**University of Azuay – CUENCA, Azuay - Ecuador**

Completed Master's Curriculum

**GIS Project**

- Created environmental management plan to identify site for waste transfer station in Cuenca, Ecuador
  - Location for the landfill identified by this project was implemented by the municipality
  - Used Geographic Information Systems such as ARCGIS 10.0, ARCSCE 10.0
- Created dynamic model to simulate effect of dam breakage on a surrounding area using Net Logo 4.1.3
- Collaborated in creation of the Land Plan of the City of Cuenca, Ecuador

**GIS Knowledge/Experience**

- Spatial reference systems and Global satellite navigation systems
- Aerial Photographs and Photo restoration
- Geodatabases and network analysis
- Satellite Teledetection and Teledetection Sensors
- Temporal Analysis of Teledetection Output
- Exploratory Analysis of Spatial Data and Infrastructure for Spatial Data and Map Servers
- Advanced Analysis of Geographic Data (socioeconomic variables)
- Cartographic Quality Control, Land Surveys, and Valuation
- Management and Use of Hydrographic Bodies
- Environmental Protection, Land Use Planning, and Assessment and Restructuring