Galo **Lopez**

coderfoundry.com/galolopez

FRAMEWORKS & PROGRAMMING LANGUAGES

C#
MVC
.NET
MVC
AngularJS
JavaScript
HTML5
CSS
ASP.NET
Java
C
C++
VHDL
SQL
LINQ
RAZOR
Bootstrap
SQL Server
Entity Framework

CODER FOUNDRY

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WORK EXPERIENCE

Coder Foundry, Web Software Engineer
Kernersville, NC · September 2015–December 2015

- Created a personal portfolio website using C#, MVC5, and JavaScript. Design and developed front-end using HTML5, Twitter Bootstrap, and MVC model binding with Razor. Included secure log-in and blog web interface with user comments. Presented programming exercises and code snippets using JavaScript.
- Created a fully functional MVC bug tracker web application from scratch. Handled secure file upload functionality for approved file types. Implemented code first database with user- and role-level security. Database interaction done through LINQ to Entity framework
- Created a fully functioning WebAPI car finder web application from scratch. Composed dynamic, responsive front-end design using AngularJS, HTML5, and Twitter Bootstrap. Accessed NHTSA's car recalls database using provided WebAPI to show car recalls. Included images using Bing's WebAPI. Accessed the car database through stored procedures written in SQL.
- Created a fully functional financial portal web application using WebAPI and AngularJS technologies. Implemented token-based authorization and security. Managed routing using UI.route. Accessed database through LINQ to Entity framework.

EDUCATION

University of North Carolina at Charlotte, B.S. in Computer Engineering
Charlotte, NC · May 2015

Related Projects
- Developed model of Pipeline MIPS Processor using VHDL.
- Designed synthesizable 4-bit Universal Shift-Register with Counter in VHDL using Nexys 2 Spartan-3E FPGA.
- Designed, simulated, and built multi-stage Bipolar Junction Transistor Amplifier with Feedback using Q2N3904.

Related Coursework
Computer Languages Utilization, Communications & Networking, Logic & Networks (Lab), Microelectronics (Lab), Digital Design (Lab), Digital Signal Processing, Computer Organization, Embedded Systems

Accomplishments
- First Place, Senior Design Fall Expo, 2014
- National Institute for Leadership Advancement Certification, 2013
- Johnson & Johnson's SHPE Corporate Readiness Program Graduate, 2013
- Dean's List: Spring 2012, Spring 2013

Affiliations
- Society of Hispanic Professional Engineers, Chapter President (2014-2015)
- Society of Hispanic Professional Engineers, Chapter Treasurer (2013-2014)