Ivan Lopez

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Website

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Github

github.com/ivanryuu

LinkedIn

ivan-f-lopez

Skills

- .NET development
- MEAN development
- Android development
- Node-Red development
- REST API design
- Shell scripting
- MATLAB, R
- PostgreSQL
- Docker

Online Courses

- TIA Exam FM
- TIA Exam MFE
- Android Fundamentals
- Material Design
- Machine Learning
- Usable Security
- Software Security
- Data Structures

Experience

07/15 - Now **Software Engineer Intern/Part-time** Telogis, Austin, TX
Developed a User Acceptance Test environment for the unit servers to avoid introducing regressions when promoting staging to production, using C#, Angular, and PostgreSQL.
Developed system to recover non-reporting units through SMS and existing communication channels, utilizing C#, Node.js, and Docker.

01/13 - 07/15 **IT Specialist/Project Manager Assistant** ALC Construction Inc, Laredo, TX
Oversaw all technology equipment and configurations. Assisted the project manager of construction company in planning, executing and closing of various projects.

08/12 - 12/12 **Java Enterprise Edition Instructor** CDIS, Monterrey, Mexico
Planned and designed curriculum, including topics such as: Java SE/EE, xHTML, mySQL, AJAX, jQuery, and CSS. Class taught to 15 students in 4-hour days. Determined who advanced to second stage of the training based on final evaluation.

Education

2015 - 2017 **Bachelor's of Science in Mathematics** University of Texas Austin, TX
Concentration in Actuarial Science
Business Foundations Certificate: General Track
Gpa Overall: 3.94/4.0, UT: 3.875/4.0

2013 - 2014 **Associates Degree in Computer Science** Alamo Colleges, San Antonio, TX
GPA: 4.0/4.0

2011 - 2012 **Bachelor's of Science in Computer Science** UANL, Monterrey, Mexico
GPA: 96.24/100

Actuarial Exams

Jun 2016 **SOA / CAS Exam FM / 2** Passed
Nov 2016 **SOA / CAS Exam MFE / 3** Scheduled

Projects

2016 **Tadaima!** Android, Node-Red
Notifies designated devices through SMS when the user arrives to predefined WiFi locations.

2015-2016 **Speedsolver Trainer** Android, Node.js
Comprehensive list of speedsolving algorithms for the Rubik's Cube with visualization component using Crosswalk. Includes stopwatch, bookmarkings, and personal best times.

2015-2016 **CNS Career Fair Helper** Android, Node.js
Helps attendees prepare for the University of Texas College of Natural Sciences Career Fair. Includes filtering, bookmarkings, and notations for organizations. Various organization related websites are included, viewable within the app.

2015 **BluKey** Android, Arduino
App communicates with Arduino through BlueTooth and operates a motor that locks a door. Uses phone-specific properties and encryption to turn the device into a unique key to authenticate into the Arduino.

2015 **Mstr Crkr** Arduino
Open source, 3D printable Master Lock cracker powered by an Arduino, stepper motor, and servo - for educational purposes.

2013-2015 **Rubiks Cube Solver** Android, Arduino, Matlab
Solves a Rubik's cube using speed solving algorithms. Utilizes neural networks for its decision matrix. Implements an Android device coupled with computer vision and an Arduino to physically solve a cube.