

## Address

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## Telephone

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## Web & Git

ivanryuu.github.io  
github.com/ivanryuu

## LinkedIn

ivan-f-lopez

## Skills

- .NET development
- MEAN development
- Node-Red development
- API design
- Shell scripting
- Docker knowledge
- Fast Learner
- Goal-oriented

## Online Courses

- Android Fundamentals
- Material Design
- AI for Robotics
- Machine Learning
- Usable Security
- Software Security
- Data structures
- Graph Algorithms
- Data Science

# Ivan Lopez

## Experience

- 07/15 - Now **Software Engineer Intern/Part-time** [Telogis, Austin, Texas](#)  
Worked on developing a User Acceptance Test environment for the unit servers to avoid introducing regressions when promoting staging to production.  
Developed recovery system to recover non-reporting units through SMS and existing communication channels. Decreased NRU count by 25% for vCore units.
- 01/13 - 07/15 **IT Specialist/Project Manager Assistant** [ALC Construction Inc, Laredo, Texas](#)  
Oversee all technology equipment and configurations. Assist the project manager of a construction company in planning, executing and closing of various projects.
- 08/12 - 12/12 **Java Enterprise Edition Instructor** [CDIS, Monterrey, Mexico](#)  
Planned and designed the curriculum that included 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](#)  
GPA OVERALL: 3.94/4.0, UT: 3.875/4.0
- 2013 - 2014 **Associates Degree in COMPUTER SCIENCE** [Alamo Colleges, San Antonio, Texas](#)  
Needed Pre-Calculus and Physics II to complete degree.  
GPA: 4.0/4.0
- 2011 - 2012 **Bachelor's of Science in COMPUTER SCIENCE** [UANL, Monterrey, Mexico](#)  
GPA: 96.24/100

## Projects

- 2015-2016 **Speedsolver Trainer** [Android, Node.js](#)  
Includes a comprehensive list of speedsolving algorithms for the Rubik's Cube. Able to visualize the steps of every algorithm. It includes a stopwatch and personal best times.
- 2015-2016 **CNS Career Fair Helper** [Android, Node.js](#)  
Helps an attendee prepare for the University of Texas College of Natural Sciences Career Fair. It includes filtering and bookmarking of an organization. Various organization related websites are included along with a notepad per organization.
- 2015 **BluKey** [Android, Arduino](#)  
Communicates with an Arduino through BlueTooth to operate a motor that locks a door. Uses various phone-specific properties and Sha1 to turn the device into a unique key to authenticate into the Arduino.
- 2015 **No Swiper** [Android](#)  
Allows the user to select which pictures can be seen when swiping through the gallery. It requires a password to return to the full gallery.
- 2015 **Mstr Crkr** [Arduino](#)  
Open source, 3D printable Master Lock cracker powered by an Arduino, stepper motor, and servo - for educational purposes.
- 2014-2015 **Rubiks Cube Solver** [Android, Arduino, Matlab](#)  
Software that 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.