

# Erick Garcia

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[erick-garcia.com](http://erick-garcia.com)

[erick-garcia.com/online-cv](http://erick-garcia.com/online-cv)

## EDUCATION:

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- **Master of Science – Software Engineering (Cybersecurity Specialization)** **May 2018**
  - University of Texas at El Paso **GPA 3.44**
- Bachelor of Science - Computer Science December 2016
  - University of Texas at El Paso GPA 3.30
- Associate of Arts – Computer Science August 2014
  - El Paso Community College GPA 3.81

## PROFESSIONAL EXPERIENCE:

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- Graduate Research Assistant in Web Semantics and Ontologies **2014 – Present**  
University of Texas at El Paso
  - Data Integration for Digital GeoTimescale Mapping (2016)
  - Semantic-annotating of Research Lab Activities for Data Sharing (2015)
- Software Engineering Intern at **Intel** Hawthorne Farms Campus in Hillsboro Oregon June 2017
  - Added functionality to the group software for factory automation equipment using test-driven development with unit and mock testing.
  - Added functionality to their current continuous integration system. This functionality is based on virtualization and communication between hosts and clients through Windows Communication Foundation (WCF); accessible through http requests for monitoring the current state of the source code.
- Software Engineering Intern at **Intel** Hawthorne Farms Campus in Hillsboro Oregon June 2016
  - Creation of Windows installer with WPF using MVVM architecture
- Research internship at the Army High Performance Computing Research Center June 2015  
Summer Institute at **Stanford University**
  - Real-Time Computer Vision on Quadcopters (2015)
- Tutor/Mentor at Center for Students with Disabilities at El Paso Community College 2013 – 2014

## PROFESSIONAL DEVELOPMENT PARTICIPATION:

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- Hispanic Engineer National Achievement Awards Corporation (HENAAC) Conference 2016  
at Anaheim, CA research presenter
  - Data Integration for Digital Geofield Mapping (2016)
- Computing Alliance of Hispanic-Serving Institutions (CAHSI) Summit Conference 2015  
at Puerto Rico research presenter
  - Semantic-annotating of Research Lab Activities for Data Sharing (2015)

## SKILLS:

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- Programming Languages: C, C#, C++, Java, PHP, Javascript, and assembly.
- Methodologies: SCRUM, SOLID (Clean Code), Test Driven Development (TDD), User-First UX Design
- Patterns: MVC, MVVM
- Creation of Database Content Management Systems using MVC architecture

**HONORS AND AWARDS:**

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- GEM Fellowship Awardee 2016
- Valedictorian at Instituto Mexico High School 2012

**COMMUNITY ACTIVITIES:**

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- Leading church youth group as a pastor, and volunteering for community service 2012 - Present
- Building low resource homes for needed Tarahumara homeless families in Mexico 2012 - Present
- Catholic Youth National Congress Participant 2012