Erick Garcia

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EDUCATION:

- **Master of Science – Software Engineering (Cybersecurity Specialization)**   **Expected Graduation:**
  - University of Texas at El Paso   **December 2018**
- 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:

- 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:

- 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:

- 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:

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

COMMUNITY ACTIVITIES:

- 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