Erick Garcia Flores
SOFTWARE DEVELOPMENT ENGINEER

A passionate software developer with 3+ years of experience, I hope to work with a company that aligns with my values and interests as well as have a challenging and rewarding programming position. My main interests are UX (User design), Web Development, writing high quality easy to maintain code. My strongest asset by far is that I am an agile learner. If you want to learn more about the rest of my projects and my hobbies visit my website and extended resume!

✉ me@erick-garcia.com

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🗔 erick-garcia.com/resources/resume-extended.pdf

○ github.com/garciaErick

WORK EXPERIENCE

Prime Air Engineer
Amazon Corporation

08/2020 - Present   *Seattle, WA*
Changing the lives of customers by building a package delivering infrastructure on the air through drones.

Role
- Worked on software validators to get Federal Aviation Administration approval, involving functional requirement validation, physics of the drone, etc.
- Developed from start to finish the infrastructure for our services involving (CDK, pipelines, integration testing, EC2 Services, metrics, alarms, etc)

Contact : Rene Mader - rpmader@amazon.com

Full-stack Angular Developer
Applied Materials

06/2019 - Present   *Phoenix, AZ*
Worked with a remote team in the Semiconductor industry on a ETL and data analysis tool. Technologies used are Angular, Java, and virtualization.

Achievements/Tasks
- Migrated our data analysis legacy tool to Angular 8 employing latest industry standards which highly improved the quality of the code base
- Created infrastructure for unit testing and code review and enforced them on the front-end team through positive reinforcement and mentorship

Contact : Alex Pai - alex_pai@amat.com

Service Information Developer II
DXC Technology

03/2018 - 05/2019   *El Paso, TX*
Develop, maintain and test healthcare portals (MMIS Applications). Understand the business and technical aspect of the healthcare industry. Fixing security exploits in most of healthcare portals in the US

Contact : Oswaldo Perez - oswaldo.perez@dxc.com

Product Platform V&V Intern
Intel Corporation

2017 - 2018   *Hillsboro, OR*
Verification and validation on processors with the following technologies: WinForms UX Design, C# WCF protocols, unit testing and mock testing.

Contact : Tristan Hanson - tristan.hanson@intel.com

Graduate Research Assistant
The University of Texas at El Paso ⬈

01/2014 - 03/2018   *El Paso, TX*
Performing research in the fields of Semantic Web, Data Mining, and Ontologies.

Contact : Doctor Natalia Villanueva - nvillanuevarosales@utep.edu

February 23, 2022

EDUCATION

Master of Science – Software Engineering
The University of Texas at El Paso

2017 - 2018   *3.44*

Cyber secure systems specialization
- The practicum project consisted of a plugin architecture add on for IDA a disassembler and debugger, that enhanced the functionality and it is currently used by cyber security development teams in Fort Bliss

Bachelor of Science – Computer Science
The University of Texas at El Paso

2014 - 2016   *3.33*

Minor
- Mathematics

TECHNICAL SKILLS

Programming Languages
Java, C#, PHP, Python, Typescript, MySQL, SPARQL, Oracle, MongoDB, OWL (Ontology)

Methodologies
SOLID (Clean code), Agile Development & SCRUM, User-first design, Test-driven development

Tools & Environments
Visual Studio, IntelliJ, Command line, Hyper-V and VMWare, Docker & Kubernetes, GIT & TFS, Vim > Emacs

Patterns
MVC, MVVM, Singleton, Factory

LANGUAGES

English ● ● ● ● ●

Spanish ● ● ● ● ●

日本語 Japanese ● ● ● ○ ○