

Alexandra Noreiga

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EDUCATION

University of Alabama in Huntsville

Master of Science in Information Systems

Huntsville, AL

Expected graduation date: May 2025

University of California - Irvine

Certificate in Project Management

Irvine, CA

Aug. 2020 – May 2021

University of Alabama in Huntsville

Bachelor of Science in Computer Science

Huntsville, AL

Aug. 2016 – May 2020

TECHNICAL SKILLS

Languages: Java, Python, Bash, C/C#/C++, MySQL, SQLite, SQL (Postgres), JavaScript, Powershell, HTML/CSS, R

Frameworks: Django, Selenium, Ansible, Sensetalk, React, Node.js, Flask, Angular, JUnit, Eggplant Functional

Developer Tools: AWS, Azure, Git, Docker, Jenkins, Atlassian Tools (Bitbucket, Jira, Confluence), VS Code, JFrog Artifactory, Nexus, Unity, Visual Studio, Podman, Helm

EXPERIENCE

Software Engineer - Lead Automation Framework Engineer

April 2022 – present

Northrop Grumman

Huntsville, AL

- Designed and developed a series of microservices and their respective RESTful APIs utilizing Python with Django and Flask frameworks to orchestrate automated tests across a distributed network of systems, and display resulting data on a dedicated server
- Architected an automated testing framework that eliminated over 80% of manual testing and analysis
- Designed an automated image verification tool to assess visual software requirements, resulting in improved analysis processing time and software quality
- Developed a parsing tool that reduced the analysis time for a software application by over 90%
- Devised an analysis tool that reduced the investigation time for automated test case failures by 75%
- Mentored junior engineers and interns regarding the implementation of new software components and technologies
- Led demonstrations and presentations to the chief engineer and program management
- **Awards:**
 - * Recognized seven times by sector director and program management for outstanding performance
 - * Recognized as an Engineer of the Year by five corporate directors
 - * Nominated for a Distinguished New Engineer award by the Society of Women Engineers

Associate Software Engineer

Aug. 2020 – Apr. 2022

Northrop Grumman

Boulder, CO

- Led development effort for automated cybersecurity analysis
- Performed data analysis to gauge the performance of algorithms
- Created analysis tool to automate repetitive and complex algorithmic analysis
- Conducted hardware analysis studies and created action plan to improve operational efficiency
- Facilitated communication between numerous teams to devise solutions to critical software problems
- Led customer/program management presentations to review weekly performance analysis reports
- **Awards:**
 - * Recognized four times by sector director and program management for outstanding performance

Software Engineering Intern

May. 2019 – Aug. 2019

Northrop Grumman

Huntsville, AL

- Implemented automated unit tests to improve software quality
- Devised proof of concepts for various DevSecOps tools
- Designed and implemented a user-friendly graphical interface for several software applications
- Assisted in creating external software application documentation