

MARISSA ALVAREZ

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EDUCATION

University of Southern California, Los Angeles, CA	Expected 2023
<i>Master of Science, Integrated Design, Business, and Technology</i>	
Loyola Marymount University, Los Angeles, CA	May 2019
<i>Bachelor of Science, Computer Science</i>	

Certifications

Scaled Agile Inc.	August 2021
<i>Certified SAFE 5 Scrum Master</i>	
California Institute of Technology, Pasadena, CA	May 2021
<i>Model Based Systems Engineering Certificate Program</i>	

SKILLS

Front-End Technologies: HTML, CSS, ASP.Net MVC, IIS, RAZOR, AJAX, Bootstrap, jQuery	Software: MS SQL Server, Bash, MySQL, Tableau
Programming Languages: JavaScript, C#, SQL, Java, C++, Python	Test Tools: Unit, MS VS Test Tools Frameworks: MS.NET Core
Web Technologies\Web Services: WEB-API\HTTP	IDE\Text Editors: VS, VS Code, Xcode, Sublime, Atom
Tools\Methodologies: Swagger, GitHub, TFS (Team Foundation Server)\Agile (Scrum)	Systems: Windows, MacOS, Linux Bilingual: Spanish
Systems Engineering Tools: Cameo, Rhapsody, DoDAF Architecture Framework	UX Design Tools: Figma, Balsamiq

INDUSTRY EXPERIENCE

Northrop Grumman Corporation (Associate Software Engineer Rotations)	El Segundo, CA
<i>Associate Software Engineer - Engineering & Architecture Organization</i>	
February 2021 – Present	
<ul style="list-style-type: none">• Gained Scrum master experience and is lead scrum master for the application modernization team• Familiar with development in ServiceNow and Mendix• Documented MBSE capabilities and training for employees• Developed a presentation about the possibilities of Blockchain Technology at NG. Presented to the director of Architecture & Engineering.• Created models of the Architecture and Engineering Organization to improve processes, create a digital twin, and embrace MBSE methodologies• Utilizing LCNC capabilities and developing apps in ServiceNow	
<i>Associate Software Engineer- Battlefield Airborne Communication Node (BACN)</i>	November 2020 – February 2021
<ul style="list-style-type: none">• BACN is a payload that goes on a Global Hawk that uses Link 16 to distribute communication• Modernizing and updating the BIB application from GWT to React-Redux with Typescript• Analyzing old code and transferring it over to the new application• Utilizing Atlassian tools: Agile Board Jira, BitBucket-Stash, Team Wiki Pages	
<i>Associate Software Engineer- App Design & Development (LOOIE)</i>	June 2019 – November 2020
<ul style="list-style-type: none">• Excellent in front-end UI design implementations written in HTML, CSS, Bootstrap, JavaScript, JQuery tailored to Northrop Grumman processes• Responsible for writing AJAX calls for UI interactions to the Controller, using JS and JQuery to get the data back as JSON to parse into the UI• Familiar with backend development by writing/modifying RESTful web services and RESTful APIs in C# utilizing the HTTP methods• Increased productivity and quality every sprint by developing reusable components, proxys, and participating in code refactoring• Collaborated with the UX/UI designer to create user interface mockups using Balsamiq• Attended meetings with the customer to understand and gather requirements to deliver work within three-week sprints• Presented and demonstrated deliverables live to the customer at sprint end reviews• Led deployment of code to the staging environment & organized QAT team meetings before deployment – backup for production deployment• Conduct tests (AMP Scans and Fortify Scans), document results, and remediate errors• The LOOIE web application helps users track movement of materials that were received and deployed on the manufacturing floors• Internally developed for the Factory of the Future (FoF) initiative & is estimated to save \$3.1M in 2021 through reduction in finding data• LOOIE (Logical Organizations of Integrated Environments) integrates with existing apps: SAP, AssetSmart, ATOHMS, TEAMMS, Solumina, etc	
PROFESSIONAL DEVELOPMENT	
Northrop Grumman – <i>Enterprise Services 2020 Presidents Award for Excellence</i>	September 2020
<ul style="list-style-type: none">• Selected to receive the 2020 Presidents Award recognizing work on the web application LOOIE	
Northrop Grumman – <i>Mentoring the Technical Professional (MTP)</i>	January 2020 – March 2021
<ul style="list-style-type: none">• Participating as a protégé to expand career growth, gain exposure, reach personal goals, and improve leadership skills	
NGWIN South Bay Leadership – <i>Business Impact Committee Lead</i>	May 2020 – Present
<ul style="list-style-type: none">• Brainstorm ideas for upcoming events, promote women in STEM, host events, and contribute to write event recaps about events	
NG Employee Resource Groups Member: Adelante, GreeNG, Connect1NG, vERGe, Gen2Gen, SWE	June 2019-Present