ANDREW SANTOS

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Building N Unit 203

Skills Summary

Languages:	C, C++, Java, Python, Assembly, HTML, CSS, Javascript, PHP
Frameworks:	Node, React, Springboot, Maven
Tools:	Docker, Amazon Web Services, Kubernetes, Gitlab/Github/Git, Redis, MariaDB, MySQL, CI/CD Pipelines, Jenkins, Helm, Redis, Kafka, NGINX, Network Load Balancers, Gradle
Additional:	Agile Methodology, Model Based System Engineering MBSE Methodology, DevSecOps Digital Transformation, Technical Writing and Documentation, Microsoft Office

Work Experience

General Dynamics | May 2023 - Present

DevSecOps Intern Engineer

- Led an intern team to develop a messaging prototype for 100+ satellites, becoming the base service for a development team and presented our prototype to chief engineers, team leads, engineering managers and the future team starting business logic development.
- Streamlined deployment processes with CI/CD pipelines on Gitlab, achieving a 75% reduction in time for deployment.
- Engineered a multi-Kubernetes cluster and Kafka messaging infrastructure with Redis capable of handling 1000+ messages per second through UDP network programming and advanced polling techniques.
- Surpassed average intern performance by 60% more story points through problem solving, networking issues, and dependency standardization with minimal supervision.

Software Engineer Intern

- Troubleshooted build failures and warnings caused from major version updates in Java and dependencies.
- Assisted team members in completing stories and tasks through problem solving and collaboration by communicating new findings/ideas and by critiquing merge requests.
- Presented a demonstration of new simple methods in handling merge requests for tasking.
- Maintained dependency and version updates for a software team in between sprints and iterations through orchestrating pipelines in Gitlab and Jenkins.

University Memorial Center | August 2022 – Present

Security Guard

- Responded to distress calls for service and held responsibility for the well-being of campus property and occupants.
- Administered trainings for new employees.
- Wrote incident reports, and maintained confidentiality and sensitive information.
- Provided basic medical first-aid response.

BeeKleen Carpet Cleaning and More | April 2018 – 2022

Carpet Cleaning and Airduct Technician

- Mentored and took responsibility of training and monitoring new employees.
- Conducted air duct and HVAC system maintenance to improve air quality indoors.
- Maintained and troubleshooted cleaning equipment and machines to optimize performance.
- Provided exceptional customer service including estimates, explaining procedures, and addressing client concerns while having the most 5-star reviews of my peers over 24+ months of working.

Education

BS Information Science | Computer Science | Data Science
Expected Graduation: December 2025

Relevant Coursework:

Starting Computing, Data Structures, Computer Systems, Discrete Structures, Computer Algorithms, Introduction to Data Science with Probability and Statistics, Calculus 1 and 2, Physics 1 and 2, Linear Algebra.

Awards and Acknowledgements

- Academic Excellence Award – The Classical Academy Highschool
- Assistant Captain – ACHA CU Boulder Men's Ice Hockey
- Head Travel Admin – ACHA CU Boulder Men's Ice Hockey