

# James Ostrowski

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## EDUCATION

<b>University of Iowa</b> Bachelor of Science in Engineering	<b>GPA: 3.21</b> Major: Computer Science and Engineering	<b>May 2024</b> Focus Area: Software Engineering
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## TECHNICAL SKILLS

<b>Testing &amp; Automation:</b> GoogleTest, JUnit, BDD (Cucumber/Gherkin)	<b>Languages:</b> Python, C++, C#, Java, C, Ruby, Javascript
<b>Version Control/CI-CD:</b> Bitbucket, Azure DevOps, GitHub, Jenkins, GitLab	<b>UI Tools:</b> QT, JavaFx, React, XAML, HTML
<b>Productivity Related:</b> Atlassian Tool Suite, Office 365, Agile Methodologies	<b>Operating Systems:</b> Linux, Windows
<b>Additional Tools:</b> CMake, Node.js, Rails, Docker, DOORS, Jazz, Cameo	<b>Databases:</b> SQL(MySQL, PostgreSQL), no-SQL(JSON)

## WORK EXPERIENCE

<b>Northrop Grumman   Defense Systems</b> <i>Software Test Engineer</i>	<b>Roy, UT</b>	<b>Aug. 2024 - Present</b> <i>Security Clearance Level: Secret</i>
<ul style="list-style-type: none"><li>Embedded within agile product teams to support development and testing of critical software for the Sentinel Strategic Deterrent System, ensuring the delivery of reliable and secure Command and Control capabilities.</li><li>Verified Software Requirement Specifications (SRS) to ensure compliance and functionality.</li><li>Developed comprehensive test plans and procedures, conducted dry-runs, and executed test cases for product verification.</li><li>Utilized industry-standard tools such as Cameo, Red Hat Linux, Atlassian Tool Suite (Confluence and Jira), IBM DOORS, and IBM Jazz to support test execution and requirements traceability.</li></ul>		
<b>Northrop Grumman   Mission Systems</b> <i>Software Engineer</i>	<b>Rolling Meadows, IL</b>	<b>May 2023 - Aug. 2024</b> <i>Security Clearance Level: Secret</i>
<ul style="list-style-type: none"><li>Contributed towards enhancing a legacy application by providing high priority excel integration for new data models.</li><li>Expanded Indigo toolset by integrating SDL as a standalone library; enhancing software component modularity.</li><li>Automated new release notes generation through python scripts; interacts with the Atlassian APIs to gather commit, submodule, story, epic, and capability information.</li></ul>		

## ENGINEERING PROJECTS

<b>Electronic Health Record (EHR) Web Application</b>	<b>Jan. 2023 - May 2023</b>
<ul style="list-style-type: none"><li>Built a full-stack web application using Spring Boot, Node.js and React for a healthcare facility.</li><li>Implemented multi-user functionality supporting secure role-based access for patients, employees, and administrators.</li></ul>	
<b>Marketplace Web Application</b>	<b>Sept. 2023 - Dec. 2023</b>
<ul style="list-style-type: none"><li>Developed a Software-as-a-Service (SaaS) application where users can seamlessly buy and sell products on a digital marketplace.</li><li>Built with Ruby on Rails using agile methodologies, Single Sign-On (SSO), and Model-View-Controller architecture.</li><li>Designed and executed automated user interface and integration tests using Capybara and RSpec, ensuring a robust user experience.</li></ul>	
<b>Senior Design Capstone Project</b>	<b>Jan. 2024 - May 2024</b>
<ul style="list-style-type: none"><li>Created a system capable of seamlessly acquiring, processing, and analyzing satellite imagery from various Earth orbits.</li><li>Consisted of receiving a signal via a homemade QFH antenna, demodulating the signal using SDR, recording and decoding the signal, generating the image, and displaying the image to the user through a custom application.</li></ul>	