

# Matthew Smith

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Former registered nurse with a diverse 8 year background in healthcare, currently pursuing a Computer and Data Science degree. Eager to leverage a growing proficiency of software development to produce robust and effective software solutions.

## EDUCATION:

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<b>Grand Valley State University, Padnos College of Engineering</b> <i>Bachelor of Science in Computer Science (In-progress)</i> <i>Master of Science in Data Science (In-progress)</i>	<b>Grand Rapids, MI</b> <i>April 2028</i>
<b>Grand Valley State University, Kirkhof College of Nursing</b> <i>Bachelor of Science in Nursing, GPA 3.97</i>	<b>Grand Rapids, MI</b> <i>April 2020</i>

## WORK EXPERIENCE:

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<b>Multicare Good Samaritan Hospital</b> <i>Registered Nurse: Progressive Care Float Pool</i> <ul style="list-style-type: none"><li>Implemented multiple quality improvement initiatives using Kaizen methodology, improving key reportable Medicare metrics</li><li>Analyzed and identified trends in patient biometrics using EHR software, making data-driven decisions to support optimal patient outcomes</li><li>Demonstrated strong team-oriented work habits in the 7<sup>th</sup> busiest emergency unit in the US</li></ul>	<b>Puyallup, WA</b> <i>March 2023 – January 2024</i>
<b>Corewell Health - Blodgett Campus</b> <i>Registered Nurse: Progressive Care Unit</i> <ul style="list-style-type: none"><li>Implemented novel COVID-19 quality improvement measures and documented outcomes using EPIC software for use in clinical trials</li><li>Utilized incident reporting systems to track and analyze adverse events, facilitating prompt and effective policy revisions</li><li>Coordinated responsibilities seamlessly with a multitude of professions high-stress environment</li></ul>	<b>Grand Rapids, MI</b> <i>July 2020 – February 2023</i>

## PROJECTS:

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<b>Medicare Quality Improvement Database</b>   <i>Python, MySQL, Matplotlib, Pandas</i> <ul style="list-style-type: none"><li>Created Python-based data pipeline to clean raw Medicare care data</li><li>Designed and implemented a relational database, focusing on quality improvement indicators</li></ul>
<b>Lown Index Health Care Equity</b>   <i>Python, Matplotlib, Pandas</i> <ul style="list-style-type: none"><li>Conducted multivariate analysis on Lown Hospital Index data to identify factors impacting health care equity and social responsibility</li></ul>

## AWARDS

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<b>Glenn A. Niemeyer Award</b> <ul style="list-style-type: none"><li>University-wide award recognizing top academic and extracurricular performance</li></ul>	<i>April 2020</i>
<b>Mary Horan Nursing Scholar Award</b>	<i>April 2020</i>
<b>GVSU Undergraduate Research Scholar</b>	<i>April 2020</i>
<b>GVSU Sustainability Champion Award</b>	<i>March 2018</i>
<b>TEDxGVSU Presenter</b>	