

# Christian DeJong

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## SUMMARY

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Software engineer with a strong mathematical finance and computer science foundation, currently advancing expertise through a Master's in Software Engineering. Passionate about bridging the gap between technical rigor and business impact, utilizing software development as a powerful medium to innovate, optimize, and contribute. Experienced in full-stack development, using Java, Python, C#, and SQL, and skilled in leveraging machine learning and data analytics to solve elaborate, real-world challenges. Seeking to apply my expertise in software and quantitative analysis to build impactful engineering solutions.

## SKILLS

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Languages	Java, Python, C#, JavaScript, C/C++, R, SQL, PHP, HTML/CSS
Tools & Environments	VS Code, R Studio, Git, Linux, MySQL, MS Office Applications, Jupyter Notebooks, Rueters Refinitive Eikon, Matlab
Certifications	Data Scientist: Machine Learning Certificate with Codecademy, Foundational C# with Microsoft, Refinitive Eikon with Rueters
Professional Character	Problem Solver, Collaborator, Adaptable, Innovative, Determined

## EXPERIENCE

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<b>Founder</b> , Wayne Computer Consulting Inc.	Oct 2023 - Dec 2024
<ul style="list-style-type: none"><li>– Developed an interactive website for Concordia College's Scheel Fund using PHP, Javascript, and MySQL, to enhance online presence and member engagement.</li><li>– Designed and implemented an authentication system for fund leadership and dynamic dashboards for real-time financial tracking.</li><li>– Collaborated on all aspects of software development, including system design and construction, version control with Git, and system testing.</li></ul>	
<b>Financial Representative</b> , Northwestern Mutual	May 2022 - Aug 2023
<ul style="list-style-type: none"><li>– Conducted data-driven financial analyses to assess clients' long-term goals, optimizing investment strategies based on changing market conditions.</li><li>– Strengthened client communication skills by simplifying complex financial concepts into actionable insights, improving client retention and decision-making.</li></ul>	
<b>Basketball Coach</b> , Oak Grove	Sept 2019 - Mar 2020
<ul style="list-style-type: none"><li>– Coordinated team practices by fostering collaboration, proper techniques, and continuous development to encourage comprehension of the game.</li><li>– Communicated with coaches, schools, and parents in an organized matter to schedule games and practices.</li></ul>	

## EDUCATION

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<b>North Dakota State University</b> Master of Software Engineering	Jan 2025 - present
<b>Concordia College Moorhead</b> Bachelor of Arts in Mathematical Finance and Computer Science	Aug 2019 - May 2024

## PROJECTS

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Recognized for my strong leadership and collaboration skills, I have spearheaded initiatives that combine technical complexity with practical implementation, such as the MLB 2024 season prediction model and logistics optimization for Valley Queen. With a proven ability to integrate data-driven strategies into scalable solutions, my approach centers on delivering high-impact, creative solutions to every project.

**Developer**, Predicting Minnesota Twins 2024 Season Result March 2024 - May 2024

- Utilized Machine Learning techniques in R to predict the Minnesota Twins 2024 Season Wins based on historical season performance and player statistics.
- Compared accuracy of Regression and Classification models while practicing data cleaning, preparation, and effective data visualization.

**Lead Developer**, Operations Optimization for Valley Queen Oct 2023 - Dec 2023

- Designed and implemented an optimization model in R to effectively utilize trailer volume, ensuring optimal and efficient transport of dairy products.
- Developed a comprehensive tracking system for monitoring trailers and drivers, to create a schedule based on daily product requirements.