

# Carter Powell

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## Education

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### University of Nebraska-Lincoln

#### M.S. in Computer Science

Aug 2023 – May 2025

- **GPA:** 3.61

- **Areas of Study:** Communication Networking, Algorithms, Cryptography, Linguistics, Database Design

#### B.S. in Computer Science; B.S. in Mathematics

Aug 2019 – May 2023

- **GPA:** 3.64

- **Areas of Study:** Data Mining, Data and Network Security, Software Engineering, Numerical Analysis

## Skills

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**Languages:** C, C#, C++, Java, Python, SQL, HTML/CSS, Javascript, MATLAB

**Frameworks and Tools:** .NET, MySQL, MLPQ, Django, Vue, Git, Weka

**Mathematics:** Calculus, Statistics, Linear Algebra, Differential Equations, Principal Operations, Theory

## Experience

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### Senior Design UI/UX Development

*Custom Micro Works*

*Lincoln, NE*

Aug 2022 – May 2023

- Professional Scrum development experience working with peers on a small team
- Building an application from scratch with primary focus on Vue front-end development
- Remaining flexible with weekly sprints and stand-up meetings to modify the product to the sponsor's requirements

### Engineering Internship

*Hyatt Regency*

*Green Bay, WI*

June 2018 – Aug 2021

- Recognized and developed innovative solutions to urgent issues
- Involved in multiple engineering projects including IT solutions
- Flexible and hardworking often required to assist and learn multiple jobs in different departments

## Projects

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### Automated Letter Feature Annotator

2025

- Developed an application using Convolutional Neural Networks with the assistance of Computer Vision to automate and compare features found in different scripts
- Tools Used: Python, Django, OpenCV

### King County Housing Price Prediction

2023

- Utilized a dataset of around 21,000 houses in the Seattle area and Data Mining aspects such as Association, Classification and Clustering to determine housing prices based on the house's attributes
- Tools Used: Weka

## Involvement

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### Cornhusker Marching Band

Aug 2020 - Dec 2023

- More than eleven years playing trombone
- Dedicated to interests and the work involved
- Performed in front of 90,000 people in halftime shows for 4 years

### Sigma Alpha Mu - Sigma Omicron

Aug 2020 - May 2023

- Held executive position of Exchequer
- Also held positions as Alumni, Recruitment, Public Relations and Social Chairs