

# Jichi Ge

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## EDUCATION

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### Northeastern University

*Master of Science in Computer Science – Align*

- Courses: Discrete Structures, Object-Oriented Design, Database Management Sys, Algorithms

Vancouver, Canada

*Jan. 2023 – Present*

### University of Rochester

*Master of Science in Finance*

Rochester, U.S

*Jun. 2017 – Dec. 2018*

### Montana State University

*B.S in Business*

- Graduated with Honors

Bozeman, U.S

*Sep. 2010 – Dec. 2015*

## PROJECTS

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### Urban Route Optimization Project | *Python, Git, OSMnx, NetworkX, Folium* 📍

Sep. 2023 – Nov. 2023

- Pioneered an inventive project in Vancouver, leveraging graph theory and geospatial data analysis tools like OSMnx and NetworkX
- Addressed intricate urban travel challenges by optimizing routes for multiple destinations, enhancing overall user efficiency
- Implemented visualizations of paths and location results using Folium, incorporating PolyLine and markers for a comprehensive and user-friendly display

### Bird Strike Incidents Database | *MySQL, R, SQL* 📍

Sep. 2023 – Nov. 2023

- Developed a comprehensive database supporting an app for pilots to report wildlife incidents
- Executed data modeling, SQL statements, data loading, and in-depth analysis of bird strike incidents
- Designed visualizations and implemented stored procedures for efficient database management

## TECHNICAL SKILLS

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**Languages:** Java, Python, C, R

**Frameworks:** JUnit

**Developer Tools:** Git, Docker, VS Code, Visual Studio, PyCharm, IntelliJ

**Libraries:** Pandas, NumPy, Matplotlib, OSMnx, NetworkX, SciPy, Folium

**Database Management:** MySQL, SQLite