

# Gage Bergmann

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## EDUCATION

University of Illinois at Chicago  
*Bachelor of Science, Computer Science*

December, 2024  
*Chicago, IL*

## PROJECTS

### [Unlocking Chicago \(Link\)](#)

Aug. 2024 – Present

- **Designed and Developed Interactive City Exploration App:** Created *Unlocking Chicago*, an interactive map app encouraging newcomers to explore Chicago by unlocking hidden areas as they physically explore neighborhoods, emphasizing user engagement through gamification.
- **User-Centered Design and Iterative Development:** Conducted surveys and interviews with target users to gather requirements, developed personas and use cases, and iteratively refined features based on feedback and user studies.
- **Innovative Features Implementation:** Integrated progress tracking, a leaderboard for friendly competition, and dynamic landmark discovery with historical and cultural facts to enhance user experience and foster engagement.
- **Geospatial Data Integration:** Utilized GeoJSON data with the Leaflet.js library and Turf.js plugin for real-time map updates and progress calculations, ensuring accurate and seamless geographic representation.

### Crime Prediction Predictor Using Machine Learning Algorithms

Sep. 2023 – Dec. 2023

- Developed and tested a python program that sought to predict criminal activity using geographic data
- Utilized Gradient Boosting, Random Forest, and K-Nearest Neighbor machine learning classification algorithms
- Analyzed and reflected upon the research in an academic paper

## WORK EXPERIENCE

### UIC Engineering Success Seminar

Jul. 2023 – Apr. 2024

*Instructor*

*Chicago, IL*

- A university-led initiative that targets particularly successful upperclassmen in the College of Engineering, and tasks them with facilitating the ENGR 100 course for incoming freshmen
- Independently ran weekly, 50 minute lectures of ~24 students alongside 1-2 other mentors
- Engaged with student questions through a shared mailbox
- Guided incoming freshmen computer science students through their first year of the CS curriculum

### nfcnorthreport.com

Sep. 2022 – Aug. 2023

*Staff Writer*

*Remote*

- Wrote opinion pieces part-time for an accredited NFL media site
- Demonstrated an effective command of language as well as creative thinking, which culminated into writing the most-viewed article on the site within my first 4 weeks on the writing staff, which generated over 12,000 views within its first week of publication.

## CERTIFICATIONS, SKILLS & INTERESTS

- **Proficient in:** Python, Java, HTML, CSS, JavaScript, C++, C, SQL, Swift
- **Some experience in:** Assembly, F#
- **Skills:** Strategic Planning; Communicating; Visualization modeling;
- **Interests:** Cycling; Digital Art Competitions; Exercise; Trivia; Skiing; Reddit