

BRANDON THACH

Skokie, Illinois

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EDUCATION

University of Illinois Chicago

December 2025

BS in Computer Science (Software Engineering Concentration) - GPA 3.4

- Relevant Courses: Programming Language Design, DSA, Software Design, Machine Organization

Oakton College

December 2023

Associate in Arts - GPA 3.5

- Relevant Courses: Calculus I-II-III, Ordinary Differential Equations, Java Data Structures

SKILLS

- Python, Java, C/C++, HTML, CSS, JavaScript, TypeScript, SQLite, SQL, Rust, F#
- React, AngularJS, Java Swing, JavaFX, JUnit, GoogleTest Framework, Git, UNIX, Vim, LINUX
- English, Spanish, Khmer

PROJECTS

myBusinessBoard (SparkHacks 2025 Hackathon) | *HTML, CSS, JavaScript, React, GO* (2025)

- Built a social-media management app that allows businesses to keep track of their social media accounts and track analytics and engagement all from one location.
- Used React Javascript to create a sleek, user-friendly frontend that is easy to navigate.
- Used GO for the backend to connect to the Instagram and Twitter API and pull data directly to the webpage.

MyTeacher - Student Information System | *Java, SQL, Java Swing* (2025)

- Developed a desktop application that allows teachers to manage their courses, students, assignments, and grading effectively using object-oriented programming.
- Implemented a report generator to generate CSV files with overviews of student/course information.

OK Weather App | *Java, JavaFX, National Weather Service API* (2025)

- Created an application using JavaFX to display live weather information using the NWS API, allowing users to see daily forecast information, as well as a three-day forecast with detailed information and visuals.

Text Search Engine | *C++, GoogleTest Framework* (2024)

- Developed a search engine capable of indexing and querying large datasets from user input files.
- Wrote extensive vector and map functions to design an inverted index to map keywords to references.
- Used GoogleTest Framework to build and conduct extensive unit tests to ensure performance and accuracy.

myIntentionBoard | *HTML, SCSS, TypeScript, AngularJS, Firebase* (2025)

- Developed a web application that allows students at the St. John Paul II Newman Center at UIC to share prayer intentions with one another, helping to create an online space for students of faith to interact
- Implemented Google user authentication to allow users to sign in within a matter of seconds
- Dynamically rendered feed using Firebase to store posts, allowing users to post anonymously and by name