

# Hoang Minh Ngo

Chicago, IL

224-716-2661 | [mngo12332@gmail.com](mailto:mngo12332@gmail.com) | [linkedin.com/in/hoang-minh-ngo/](https://www.linkedin.com/in/hoang-minh-ngo/) | [github.com/hoangngo-sudo](https://github.com/hoangngo-sudo)

## Education

---

### University of Illinois Chicago

Bachelor of Science in Computer Science | Overall GPA: 3.6

Chicago IL

Expected: May 2027

### Oakton College

Associate of Science in Computer Science

Desplaines IL

June 2021 – July 2024

### Relevant Coursework:

Software Design, Data Structures and Algorithms, Language and Automata, Linear Algebra, Differential Equations, Probability and Statistics

## Skills

---

Programming Languages: **Python, C/C++, Java, JavaScript, TypeScript, HTML, CSS, SQLite, Bash**

Frameworks/Libraries: **React, Bootstrap, Node.js, p5.js**

Software/Tools: **Git, GitHub, Linux, Docker, VSCode, IntelliJ, AI**

## Projects

---

**Morytale** | *React, TypeScript, Node.js, Express, MongoDB, Python*

February 2026

- Developed a React frontend for a SparkHacks hackathon 2026 narrative app that transforms photos into AI-generated weekly stories
- Integrated TanStack React Query for efficient server state caching and RESTful API consumption with Axios HTTP client
- Built reusable components including AuthGuard route protection, file upload modals, and responsive navigation with Bootstrap

**Three Card Poker** | *Java, JavaFX, Maven*

November 2025

- Built a multi-threaded server supporting concurrent client connections using TCP sockets and serialization for communication
- Ensured thread safety using synchronized methods and Platform.runLater() for UI updates from background network threads
- Developed comprehensive test suite with 7 JUnit test classes covering game logic, domain models, and integration scenarios

**purpleit** | *React, Vite, Supabase, React Router, Bootstrap*

July 2025

- Engineered a recursive threaded comment system supporting nested replies with collapsible threads and O(n) tree construction.
- Implemented optimistic UI with server-authoritative state synchronization via Supabase RPC for real-time upvote toggling.
- Built infinite scroll pagination using IntersectionObserver with race condition guards and 300ms debounced server-side search.

**Event Website** | *HTML, CSS, JavaScript, GSAP, Webpack, Supabase, Git, Cloudflare*

February 2025

- Built a responsive multi-section landing page and a dedicated RSVP with lazy loading, optimized images, and strict security policies
- Developed modular JavaScript features for DOM interactions, form validation, persistent theming, and responsive mobile navigation
- Set up a Webpack build pipeline for bundled entry points and static asset handling, then deploy and managed by Cloudflare DNS

## Activities and Interests

---

**Conference volunteer** | *Midwest Missouri Valley Summer Bible Conference by UBF church*

May 2025 – June 2025

- Collaborated with the housing team under a supervisor to help run and generate the room assignment VBA project.
- The ultimate goal is to pair people and sort according to request for the sake of assigning rooms in the dormitory

**Member of SIG Web Dev** | *Association for Computing Machinery at UIC*

January 2025 – April 2025

- Collaborated and worked within 10-people group on the minigame forum website for game enthusiasts using React + Vite.
- Developed a comment card and updated on the pre-existing profile page that takes the property user, an object containing the username, about me, a list of favorites, and a list of objects for rankings