

# IYMEN MOHAMED

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## EDUCATION

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**Augsburg University** — Minneapolis, MN

Expected May 2027

B.S. Computer Science; Minor: Data Science

**Relevant Coursework:** Software Design & Development, Data Structures & Algorithms, Web Applications & Databases, Linear Algebra, Statistics with R, Graph Theory

## EXPERIENCE & PROFESSIONAL DEVELOPMENT

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**Abbott** — Minnetonka, MN

Aug 2024 – Present

*Security Guard*

- Conduct vehicle and building patrols across four facilities, verifying doors, access points, parking areas, and site conditions to support a secure corporate environment.
- Document incidents, policy violations, alarms, and emergency responses through clear written reports with accurate timelines and escalation details.

## PROJECTS

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**Full-Stack Guessing Game** — JavaScript, Node.js, Express, HTML, CSS, AJAX

- Built a two-page full-stack game with Node.js and Express, separating player entry, gameplay, server-generated randomization, and score tracking into a clean client-server flow.
- Created an Express endpoint to generate randomized secret numbers and connected the frontend through AJAX requests for real-time guess submission and feedback.
- Implemented browser-based persistence with `sessionStorage` for active player sessions and `localStorage` for completed games, guess counts, player records, and best scores.

**Address Book Web App** — JavaScript, jQuery, AJAX, HTML, CSS, `localStorage`

- Developed an interactive address book with add and edit modes, dynamic contact rendering, selected-contact detail views, and persistent browser storage.
- Used jQuery event handling and DOM manipulation to update contact lists, display selected contact details, and manage user interactions without page reloads.
- Integrated AJAX requests to retrieve city and state information from zip code data, then reused stored contact data to reduce repeated API requests.

**Task Tracker CLI** — Java

- Built a command-line task manager supporting task creation, updates, deletion, filtered listing, mark-in-progress, mark-done, and safe reset functionality.
- Implemented JSON-based file persistence without external libraries, including custom parsing, escaping and unescaping logic, and `nextId` tracking to prevent ID reuse.
- Applied object-oriented design to separate task data, command handling, validation, timestamp updates, and file storage logic for cleaner maintainability.

## SKILLS & INTERESTS

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**Languages:** Java, JavaScript, Python, SQL, HTML, CSS

**Frameworks & Libraries:** Node.js, Express, jQuery, AJAX

**Tools & Databases:** Git, GitHub, MySQL, VS Code, IntelliJ IDEA, Windows PowerShell

**Concepts:** Object-Oriented Programming, REST APIs, JSON, DOM Manipulation, Client-Server Architecture, File I/O, Local Storage, Session Storage