

# Samuel Lim

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## SUMMARY

B.S. Software Engineering student at MSOE with a hands-on and team-based project experience. Devoting 5 hours a week to various clubs at MSOE. Skills in Java, web development, iOS app development, and JavaScript. Also familiar with Microsoft Word, Microsoft Excel, and the Google Suite. Currently working on various personal projects related to data and cyber security.

## EDUCATION

**B.S. Software Engineering** | Milwaukee School of Engineering | GPA: 3.7 | Anticipated Graduation: May 2027

Freshman Courses: Data Structures, Human-Centered Design, Calculus I, Physics I

**College Credits** | McHenry County College | Programming for iOS, Language and Composition, Psychology

**H.S. Diploma** | Prairie Ridge High School | Crystal Lake, Illinois | GPA: 3.9 | June 2023

## PROJECT EXPERIENCE

**iOS App Development:** As a small team, created an app that leveraged machine learning to organize menus from nearby restaurants. (Jan. 2023—May 2023)

- Developed interface with a MapView and multiple screens.
- Used a free API to get restaurant information.
- Used a free API to custom train a machine learning model for organizing menus.
- Displayed selectable restaurant icons on a map shown to the user.

**Real time web-based chat room:** Rewrote an example web chat app to improve its capabilities, removing almost all of the backend code. (Jan. 2022—May 2022)

- Fixed vulnerabilities that could ruin user experience or the entire app.
- Fixed bugs to improve user experience.
- Utilized a database for an account system.
- Implemented admin panel.
- Added chat commands for customization.
- Added backwards compatibility with the original example.

## TECHNICAL SKILLS

- |               |                   |                                    |
|---------------|-------------------|------------------------------------|
| • Java/JavaFX | • Web Development | • Managing a Linux VPS             |
| • Git/GitHub  | • JavaScript/npm  | • IntelliJ IDE, Visual Studio Code |
| • Swift       | • Powershell      | • PC Building                      |
| • Bash        | • Googling        | • Microsoft Word, Microsoft Excel  |

## CO-CURRICULAR ACTIVITIES

*Senior Leader and Lead Programmer* | First Tech Challenge Robotics | Sept. 2021—May 2023 | 8 hrs/week

*Competitor* | Eastern Illinois University Academic Challenge | 3<sup>rd</sup> at State (Computer Sci) | Sept 2020—May 2023

*Member* | Computer Club | September 2021—May 2022 | 2 hrs/week

## WORK HISTORY

*Resident Attendant* | Valley Hi Nursing and Rehabilitation | June 2022—July 2023 | 12 hrs/week

Provided social and general care including conversing with residents and helping with some day-to-day challenges such as eating or dental hygiene.

## INTERESTS

Programming/Scripting | Rhythm Gaming | Penetration Testing | Robotics