

# Albert Hua

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## EDUCATION:

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### Oakland University

*Rochester, MI*

*B.S. in Computer Science; GPA: 4.00*

*Sept. 2022 - 2025*

Relevant Coursework: Intro to C Programming and Linux, Intro to Computer Networks, Object-Oriented Computing, Data Structures & Algorithms, Discrete Mathematics

### Troy High School

*Troy, MI*

*High School Diploma; GPA: 3.9*

*Sept. 2018 – Jun. 2022*

Relevant Coursework: AP Statistics, AP Calculus AB, AP Chemistry

## PROJECTS

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### Chess

- Developed a Chess application with a Java Swing-based GUI for an engaging experience
- Implemented a basic AI engine using the Minimax algorithm for opponent moves
- Added features such as move validation and checkmate detection
- Utilized object-oriented programming principles for efficient code organization and maintainability.

### Portfolio Website

- Designed and developed a responsive portfolio website using HTML, CSS, and JavaScript
- Utilized media queries to ensure the website functions flawlessly on various screen sizes
- Implemented smooth transitions to enhance user experience
- Created interactive buttons and links for easy navigation to GitHub and LinkedIn profiles.

### Twitter Clone

- Created a responsive UI with Tailwind CSS to mimic Twitter
- Implemented real-time updates using React hooks and Prisma to synchronize tweets and user interactions.
- Integrated user authentication and authorization using NextAuth.js for secure access to features like tweeting and following.
- Managed data storage and retrieval efficiently with MongoDB for seamless user interaction.

## SKILLS:

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- Languages: Java, Python, C, Linux, Git, HTML, CSS, JavaScript, TypeScript
- Frameworks: React, Django
- Other Skills: Fluent in English and Mandarin
- Certifications: President's List, AP Scholar with Distinction, President's Volunteer Service Award