

# Nicholas Erickson

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## EDUCATION

Iowa State University

Ames, Iowa

*Bachelor of Science in Software Engineering*

Aug. 2021 - May 2024

**GPA: 3.75**

Rock Valley College

Rockford, Illinois

*Dual Credit Program Earning 41 Credits*

Aug. 2019 - May 2021

**GPA: 3.93**

## TECHNICAL SKILLS

- Java, C, JavaScript, HTML, CSS
- Git, IntelliJ, VS Code

## RELATED COURSEWORK

Iowa State University

*Problem Solving in Software Engineering (in C)*

- Gained understanding of the syntax of C and core programming concepts.
- Worked on projects that required reading controller inputs as well as writing and reading to and from spreadsheets.
- Learned how to work on programming projects and communicate as a team
- Designed a “Simon Says” like memory game with a universal high score leaderboard.

## PROJECTS

Vocal Galactic

- Space game developed with Java that utilizes AssemblyAI API with Java & Node.js.
- Implemented ability to activate power ups in game by parsing speech to text input.
- Created GUI and graphics with Swing.
- Won best Space Hack in K-State Hackathon 2021 against 37 other projects.

TicTacToe AI

- TicTacToe engine with an AI created using Java.
- Established ability to play against humans or against an AI ranging from easy, medium, and hard difficulties.
- Hard difficulty developed by implementing the minimax algorithm which produced an impossible to beat AI.

## WORK EXPERIENCE

Kitchen Staff

Chick-fil-A, Rockford, IL

*Full/Part Time Position*

Feb. 2019 - Mar. 2020

- Led, held responsibility, and communicated clearly with a team of 5-10 in the kitchen.
- Executed position and process rearrangements in the fast-paced environment to maximize efficiency.
- Completed kitchen duties thoroughly and quickly as a team.

## HONORS AND AWARDS

Best Space Hack at K-State Hackathon 2021

Nov. 2021

Guilford High School Summa Cum Laude

June 2021

Rock Valley College President’s List

May 2021

## ACTIVITIES

Computer Science and Software Engineering Club, Member

Aug. 2021 - Present