# Austin Rognes

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## EDUCATION

**Iowa State University: Software Engineering May 2023**
- Computer Science M.S. concurrent.
- Software Engineering B.S. with Cyber Security Minor.
- GPA: 3.39
- ACT: 29

## SKILLS

**Projects: arognes.com**
- AlgoGrid: An A* pathfinding and Game of Life visualiser web-app.
- Equipment-Record: A Firebase web-app for managing construction equipment using qr-code labels.
- MIT Battlecode 2020 competition with the ISU AI Club.
- BioFun: A unique 2 player online game using socket.io.

**Programming**
- Fluent in Java, JavaScript/TypeScript, HTML, CSS, Python, C, mySQL, and some Cypher and Verilog.
- Experience with VSCode, Unity (C#), Firebase (Hosting, Functions, Firestore, Storage, and Emulators), Node.js, Socket.io, Svelte, React, Sass/SCSS, esbuild, Spring Boot, Android Studio, GCC and plenty more.
- Always learning new programming languages, patterns, and frameworks.
- Enjoy participating in 24-48 hour hackathons with the ISU Hackathon club.

**Certifications**
- CS50x online Harvard class: Introduction to Computer Science 2020.

## WORK EXPERIENCE

**Iowa National Guard: Corporal**                                February 2017 - Present
- Deployment: Air Defense Battle Management Operator.
- Integrated into 3 different teams for 3 months each.
- Operated and maintained the air defense systems.
- Trained multiple soldiers on the air defense systems.
- Managed and integrated new soldiers onto base for 2 weeks.
- Human Resources Specialist: Wrote a Python script to import multiple award documents into Excel.

**Fareway, South Ankeny: Dairy Department Stocker**                July 2014 - June 2018
- Consistently practiced janitorial services.
- Managed time to complete an average of 22 hours a week when not in athletics.

## AWARDS

**2017 Can I Be Your Neighbor Design Challenge Winner**
- Designed an affordable house that was built in Des Moines using Autodesk Revit.
- Gave a five minute presentation of the house to members of the Home Builders Association of Des Moines.
- Learned how to use Autodesk Revit while I designed the house over a month.