

Austin Rognes

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EDUCATION

Iowa State University B.S. Software Engineering, December 2022

- Minor in Cyber Security
- GPA: 3.39
- ACT: 29

Activities and Clubs

- Enjoyed participating in 24-48 hour hackathons with the ISU Hackathon Club.
- Played CTF on green team with the Information Assurance Club.
- Helped design a fraternity website with Web-Dev Club.

WORK EXPERIENCE

Hy-Vee, Grimes: Software Engineering Intern

May 2022 - Present

- Collaborated on the vaccination form server handler to restructure and send it directly to a healthcare company, faxing the data only on failure to greatly reduce faxing costs.
- Ensured WCAG 2.1 compliance was upheld on every vaccination form page.
- Implemented activation toggles for new COVID vaccines for safe and incremental releases.
- Updated vaccination form information display logic to reflect CDC guidelines.
- Worked with C#, React, TypeScript, and Apollo GraphQL.

Iowa National Guard: Sergeant/E5

February 2017 - Present

- Deployment: Air Defense Battle Management Operator.
- Integrated into 3 different teams for 3 months each.
- Operated, maintained, and trained other soldiers on air defense systems.

SKILLS

Projects: arognes.com

- Equipment-Record: A Firebase web-app specialized for managing construction equipment using qr-code labels. Centralizes equipment records previously disseminated through printed excel documents. Records lost equipment for each job site and expands all required employees' access to information of current and past equipment location and ownership.
- AlgoGrid: An A* pathfinding and Game of Life visualiser web-app.
- MIT Battlecode 2020 competition with the ISU AI Club.
- BioFun: A unique 2 player online game using socket.io.
- Keyboard: Designed a split, ergonomic, 42 key, bluetooth keyboard pcb.

Programming Languages and Tools

- Excel in JavaScript, TypeScript, Python, C and C#.
- Fluent in with SQL and noSQL languages, .NET, Powershell, HTML/CSS, Java, Rust and VHDL.

Tools and Frameworks

- Excel in Git and Object Oriented Programming (OOP).
- Experience with Linux, React, Sveltekit, Firebase services, Apollo GraphQL, Vim and plenty more.

Certifications

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

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.