Axel Zumwalt

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CAREER PROFILE

Web Software Engineer passionate about innovation with purpose and enabling teams to work smarter. I am a creative problem solver and a detailed project planner with strong leadership and technical experience.

EDUCATION

Iowa State University, Ames, Iowa   **Graduated: May 2022**
*Debbie and Jerry Ivy College of Business – **Master of Business Administration***   **GPA: 3.82**
*College of Engineering – **Bachelor of Science in Computer Engineering***   **GPA: 3.80**
- Graduated Magna Cum Laude with Honors Distinction

SKILLS

Expert	Intermediate	Novice
JavaScript, TypeScript, Java	Spring, NodeJS, GraphQL	C, C++, C#, Python
ReactJS/React Testing Library	NextJS	Jira, Rally, Trello
Redux/Redux Toolkit	AWS (ECS, Redis, DynamoDB, IAM)	Premiere Pro Video
CSS (Styled Components, Tailwind)	Terraform	SolidWorks CAD

Personal: Presenting and Public Speaking • Teaching/Mentoring • Event planning & management

WORK EXPERIENCE

John Deere • Urbandale/Johnston, Iowa   **June 2022 – Present**
Software Engineer – IT Development Program
- Influence and coordinate developers across many teams to improve React Testing Library, TypeScript, and Redux app state management patterns.
- Collaborate across time zones to improve shared technology and respond to customer service needs.
- Mentor and onboard new developers.
- Lead the architecture, planning, and development of entire new web applications and new features to existing applications.
- Develop features for interaction with high volume and highly engaged precision agriculture data.
- Awarded an uncommon early promotion for my initiative and development as a technical leader.

Hy-Vee, Helpful Smiles Technology • Grimes, Iowa   **May 2021 – May 2022**
Software Engineering Intern, Ecommerce Fulfillment
- Delivered online grocery ordering solutions in the full stack web space using test driven development.

Collins Aerospace • Cedar Rapids, Iowa   **May 2019 – August 2020**
Software Engineering Intern, Test and Training Instrumentation
- Trained as scrum master, tracked team metrics, and regularly presented to program leadership.
- Performed requirements-based framework and GUI testing using Python and Squish.

Softronics Ltd. • Marion, Iowa   **May 2016 – August 2018**
Software and Mechanical Engineering Intern
- Implemented a company-wide product data management system for CAD drawings.
- Prototyped a solution on an embedded system relating to GPS and radio communications.

LEADERSHIP AND ACTIVITIES

Newton Community School District • Newton, Iowa   **August 2022 – Present**
High School Drumline Instructor
- Teach marching percussion techniques to students with diverse experience and backgrounds.
- Assist band director with full ensemble rehearsals, show design, and music composition.

Iowa State University Honors Program – *Classroom Instructor*   **August 2017 – May 2022**

Iowa State University Cyclone Football Varsity Marching Band – Bass Drum Guide   **August 2018 – May 2022**

All-Star graduate of Gavin Jerome's Comedy College   **May 2019**