

Elyse Kriegel

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Pella, Iowa 50219

OBJECTIVE

To obtain an internship in computer engineering/science starting in summer 2024

EDUCATION

Iowa State University

Bachelor of Science, Computer Engineering

GPA: 3.76

Ames, Iowa
Expected: May 2025

PROFESSIONAL WORK EXPERIENCE

State Farm Mutual Insurance

Software Developer Intern

Bloomington, Illinois
May 2023 – Present

- Collaborated on AWS cloud platform to deploy, manage, and scale applications.
- Developed and maintained a responsive web application using React, enhancing tenant's experience with the AWS platform.
- Contributed to the design and implementation of infrastructure solutions utilizing Terraform.
- Actively participated in the full software development life cycle, from ideation to deployment and maintenance.

West Bend Mutual Insurance

Software Developer Intern

West Bend, Wisconsin
June 2022 – March 2023

- Created frontend regression and functional tests using Playwright that are consistently used to test performance and reliability of multiple web applications.
- Tested numerous API endpoints with Postman using various parameters and data to validate JSON formatted data, http status codes, security, and performance.
- Created a dynamic frontend application using React that accepted and validated user input data/files that called custom APIs that resulted in an automatic policy creation process.
- Managed applications using Microsoft Azure to confirm proper resource allocation, performance, and appropriate security practices.
- Worked in an Agile/Scrum environment with many team members to ensure high quality code and applications in a timely manner

ICE Technologies

System Engineer Intern

Pella, Iowa
July 2020 – August 2021

RESEARCH EXPERIENCE

Undergraduate Research Mentor Program

Undergraduate Researcher

Ames, Iowa
January 2022 – May 2022

- Learning linear algebra and applying it in studying various forms of machine learning
- Applying K-means clustering to the MNIST data set to properly partition the data into groups
- Applying the Least Squares method to properly classify different handwritten digits

LEADERSHIP & INVOLVEMENT

Iowa State University

- University Honors Program August 2021 – Present
- GW Carver Program (Multicultural Academic Achievement Scholarship) August 2021 – Present

TECHNICAL SKILLS

- **Software:** VS Code, React, Git, Microsoft Office Suite, AWS, Azure, Terraform, Playwright
- **Programming Languages:** Python, Java, JavaScript/Typescript, HTML 5, CSS, C#