

Zane Hirning

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Degree seeking computer science student, currently enrolled in as a Sophomore at Utah State University. Seeking a challenging role as a Software Engineering Intern. Adept at working effectively in fast-paced, deadline-driven settings that demand strong organizational and analytical skills.

EDUCATION

UTAH STATE UNIVERSITY

Bachelor of Science in Computer Science

Logan, UT
December 2024

- **GPA:** 3.5/4.0)
- **Relevant Coursework:** Introduction to Python, Introduction to Java, Algorithms and Data Structures, Developing Database-Driven Web Applications, Developing Guided User Interface, Discrete Mathematics, Linear Algebra, Calculus

ACADEMIC PROJECTS

[Developing Database-Driven Web Applications]

- Designed, documented, and created a website that gathers data from a Quandl API and RESTful API
- Data is utilized to calculate different weights into price of gold

[Developing Database-Driven Web Applications]

- Designed, documented, and created a website that displays the weather of a particular place
- Data is grabbed from a weather API
- Website is created using vue.js

[Algorithms and Data Structures]

- Learned to analyze algorithm complexity and gained experience in several different data structures: Heaps and Queues, Binary Trees, B+ trees, AVL trees, Disjoint Sets, Splay Trees, Hash Tables, Graphs, and Sorting algorithms
- Completed many projects using a variety of these Data Structures: AVL Tree Word Ladders, Hash Table Poetry Generation, Priority Queue Scheduler, Disjoint Set Hex Game, etc.

ADDITIONAL SKILLS

- Technical skills: HTML5, CSS, JavaScript, Bootstrap, Python, Java, Django, Pytorch, Github, API's, RESTful API's, Vue JavaScript, Unit Testing
- Expertise in programming & coding, solution design, project management, software testing, database management, and product development