Ethan Lindsey

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Summary

Recent university graduate with success in software analysis and design. Experience tutoring undergraduate computer science courses to help students build their software development skills. Comfortable with learning new technologies quickly, including most recently creating a portfolio website using React and AWS.

Education

B.S. in Computer Science; Minor in Music Technology   *December 2022*
Iowa State University - GPA: 3.91

Experience

Computer Science Tutor   *January 2022–December 2022*
Iowa State University, Communications Building   Ames, IA
- Tutored over 100 clients total with an average of 4 clients per hour.
- Successfully addressed over 500 errors with a 96% success rate.
- Collaborated with more than 10 other tutors to solve complex problems.
- Applied solid understanding data structures, algorithms, and design.

Exam Proctor   *August 2021–December 2021*
Iowa State University, Exam Accommodations Center   Ames, IA
- Administered exams for up to 30 students at any given time.
- Monitored security cameras and enforced strict policies to ensure integrity.
- Managed assistive technology to address physical and mental disabilities.

Software Projects

Portfolio Website   *July 2023-Present*
- Wrote 24.3 KB of JavaScript and CSS for React frontend.
- Frontend sends data to AWS Dynamo DB using CRUD operations.
- AWS Lambda triggers and Simple Email Service used to send notifications.

Anthill   *August 2022–December 2022*
- Senior design team project using Agile development process and Jira.
- Conducted professional presentations of our progress monthly to our client.
- Contributed over 60% of the final code and designed our database schema.
- Reviewed all peer code and fixed a critical security flaw that risked all user data.

Web Adventure   *July 2022*
- 2D web-based game made using JavaScript, Kotlin, Spring Boot, and MySQL.
- Created class structure for animation to increase efficiency and simplicity.
- User authentication using Spring Security and password encryption.

Technical Skills

Languages

Proficient

C/C++, Java, JavaScript, Python, MySQL

Familiar

Dart, Kotlin, PHP, C#

Technologies

AWS, React, NumPy, Spring Boot, Firebase, Flutter, Node.js

Software

Excel, Docker, Android Studio

Soft Skills

Critical Analysis
Conflict Resolution
Active Learning
Adaptability

Awards

ISU Dean's List
December 2019–December 2022

Highest 2% LAS Freshman
May 2020

Highest 2% LAS Junior
May 2021

Relevant Topics

Algorithm Design
Data Structures
Computational Geometry
Network Protocols
Network Security