

# Ethan Lindsey

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## Summary

A recent university graduate with aptitude for detailed analysis and logical reasoning. Strengths in math, computer theory, and problem-solving proven by experience tutoring university students. Excels at roles in mathematical or scientific fields especially involved with computer programming.

## 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 100+ clients on advanced programming practices and concepts.
- Collaborated with coworkers to find simple solutions for complex problems.
- Presented debugging processes on 500+ errors with ~95% success rate.
- Applied solid understanding of third and fourth-year level concepts.

### Student Worker

August 2021 - December 2021

Iowa State University, Exam Accommodations Center

Ames, IA

- Proctored 100+ students while supplying personalized accommodations.
- Evaluated sensitive confidential information discretely with integrity.
- Addressed 50+ critical issues with personalized solutions.

## Software Projects

### Anthill

August 2022 - December 2022

- University senior design team project created using Flutter and Firebase.
- Contributed ~60% of the code including authentication, profile, and dashboard.
- Improved performance and security by reviewing team contributions.
- Weekly sprints following Agile method using Jira.

### Web Adventure

July 2022

- 2D Web-based game made using JavaScript, Kotlin, Spring Boot, and MySQL.
- Built reusable sprite animation using concepts of encapsulation and abstraction.
- User authentication using Spring Security and password encryption.

### Quack Manager

August 2020 - December 2020

- University team project using Java, Android Studio, MySQL and Spring Boot.
- Implemented Front-end management of tasks, profile, login, and settings.
- Proactively stored data on device for fast offline access.

## Technical Skills

### Languages

#### Proficient

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

#### Familiar

Kotlin, PHP, C#

### Technologies

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

### Software

Excel, Docker, Android Studio

## Soft Skills

Critical Thinking  
Conflict Resolution  
Active Learning  
Adaptability

## Relevant Topics

Algorithm Design  
Data Structures  
Computational Geometry  
Network Protocols  
Network Security

## Awards

### ISU Dean's List

Fall 2019 - Fall 2022

### Highest 2% LAS Freshman

Spring 2020

### Highest 2% LAS Junior

Spring 2021