Josh Taylor

Software Engineer

Computer Science student who likes to solve problems
and has a passion for writing good code

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EXPERIENCE

BYU | Artificial Intelligence Developer
Python, Dart, Flutter

Sep 2022 - Present
Provo, Utah

- Designed and implemented architecture for AI chatbot system from scratch

Lucid Software | Software Engineering Intern
TypeScript, Scala, Angular

May 2022 - Aug 2022
Salt Lake City, Utah

- Sped up administrative processes by 95% by implementing bulk actions
- Reduced admin page load times by 5 seconds with simplified logic and bug removal

Juni Learning | Competitive Programming Instructor
Python, Java, JavaScript, C++

Apr 2021 - Apr 2022
Remote

- Taught 35 students about algorithms and programming fundamentals
- Coached students to participate in USACO competitions

BYU | Software Developer
C, Python, Bash

Aug 2020 - Aug 2021
Provo, Utah

- Developed remote desktop system used by over 4,000 students
- Saved 60 hours of work by automating Linux system maintenance

EDUCATION

Brigham Young University | BS in Computer Science
3.75 GPA

Dec 2023
Provo, Utah

- Coursework in software engineering, data structures, algorithms, deep learning, and AI

VOLUNTEERING

BYU Competitive Programming Club | President

May 2022 - Present

- Increased club attendance by 150%
- Organized dozens of events including high school competitions

PROJECTS

Music Generator | Python, Deep Learning

- Designed and implemented a deep neural network architecture to generate songs

Reversi AI | C++, Websocket

- Won class tournament against 30 other students using alpha-beta pruning