

David Jeseung Ha

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VANDERBILT UNIVERSITY, Nashville, TN

B.S. Computer Science & Applied Mathematics, Minor in Engineering Management

Sep 2019 – May 2023

GPA: 3.5

RELEVANT COURSEWORK

- | | | |
|-------------------|----------------------------|---------------------------|
| ✓ Software Design | ✓ Linear Algebra | ✓ Programming Languages |
| ✓ Data Structures | ✓ Discrete Structures/Math | ✓ Operating Systems |
| ✓ Algorithms | ✓ Nonlinear Optimization | ✓ Technical Communication |

TECHNICAL SKILLS

- | | | |
|----------------------|--------------------------|-----------------------|
| ✓ C++ | ✓ Python/Django/Selenium | ✓ Java |
| ✓ React/React Native | ✓ Javascript/HTML/CSS | ✓ REST APIs |
| ✓ Google Firebase | ✓ Cloud Services | ✓ Nodes.js/Express.js |

EXPERIENCE

Traded

Nashville, TN

Software Engineer

June 2021 - Present

- An E-Commerce startup app where college students can buy and sell items on campus.
- Consulted with exec members about the style, budget, and overall goals for the MVP.
- Successfully implemented more than 10 front end screens in React Native where users can access the app.
- Increased database efficiency in Firebase by 20% by reducing the number of documents read.

Intermediate Software Design TA

Nashville, TN

Team Lead Grader

Jan 2021 – Present

- Co-led the HW team and was responsible for having the assignments graded on time.
- Held weekly office hours explaining concepts ranging from advanced C++ topics to software design patterns.
- Assisted around 20 students weekly debugging their programs.

TECHNICAL PROJECTS

Automated Food Ordering System

Python

Jan 2021

- Engineered a food ordering system that allowed Vanderbilt students to order dining hall food up to a week in advance.
- Accessed the GET-CBORD portal website by using selenium web-driver in Python.
- Personalized the options so users can order what they want quickly, decreasing ordering time by 80%.

Billboard Guessing Game

React/Node

Sep 2021

- Designed a game that allowed users to guess the order of a list of songs as they appear in Billboard's Hot 100 Songs.
- Retrieved the top 100 songs and artists by using Node.js to web scrape the data and parse the HTML data and connected the full stack by fetching the node backend API in React.

Lingle

React

Feb 2022

- Deployed a website that is a popular remake of the Wordle game from NY times.
- Extended Wordle game functionalities to allow users to choose any word length and to be played more than once a day.
- <https://daymo-web.github.io/Lingle/>