

David Jeseung Ha

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Education

Vanderbilt University, Nashville TN August, 2019 - May, 2023
Bachelor's of Science — Computer Science, Mathematics GPA: 3.44/4
Relevant Courses: Intermediate Software Design, Operating Systems, Programming Languages, Algorithms, Web Based Systems Architecture, Principles of Software Engineering, Artificial Intelligence

Skills

Languages	C++, Java, JavaScript, TypeScript, Python, HTML/CSS, C
Libraries/Frameworks	React, Spring Boot, Elastic Search, JUnit, Django, Node, Next.js, Tailwind
Other	Postman, Git, Linux, Kibana, Firebase, Docker, Jenkins, MongoDB

Experience

Software Development Engineer Intern — APD Mitchell Cloud Repair 2022
Enlyte — San Diego, CA

- Increased code coverage in a microservice API that retrieves jobs on the website by 15%.
- Created a Spring Boot microservice using Maven that cleans up internal jobs in the Mitchell Connect website through an EMS Scanner workflow in QA and Dev environments, achieving 100% code coverage.
- Created a postman collection that cleans up any job in Connect website and was able to demo to QA team so that they can use it for future testing.
- Gain exposure to the ELK stack to visualize data of the microservice when load testing using JMeter.
- Collaborated with team members in an Agile style with daily scrum meetings, sprints and PSI's.

Intermediate Software Design TA — Team Lead Grader 2021 — 2022
Vanderbilt University — Nashville, TN

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

Projects

TradEd - E-commerce Mobile App 2021

- Led a development team for a startup aiming to facilitate commerce between college students.
- Consulted with executive members about the style, budget, and overall goals for the MVP.
- Used React Native to implement front-end screens consistent with client's expectations and supported it with a back-end created with Firebase.
- Implemented 10+ front-end screens and was able to demo the functionality to exec members.

Web Application Based on Wordle 2022

- Created and deployed a Wordle variant game (Lingle) allowing users to change the length of the word to be guessed.
- Implemented new logic for coloring the tiles after each guess and added Light/Dark mode in JavaScript.
- Deployed the single page React application on the web using GitHub Pages.

Automated Food Ordering System 2021

- Engineered a food ordering script that allows 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 options so users can order what they want quickly, decreasing overall ordering time.

Activities

Vanderbilt Men's Volleyball Club