

David Jeseung Ha

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Education

Vanderbilt University, Nashville TN

Bachelors of Engineering — Computer Science, Mathematics(08/2019 - 05/2023) GPA: 3.44/4

Relevant Courses: Intermediate Software Design, Operating Systems, Programming Languages, Algorithms, Nonlinear Optimization, Probability/Statistics, Linear Algebra, Project Management, Technical Communications, Web Based Systems Architecture, Principles of Software Engineering, Artificial Intelligence, Social Networks Analysis

Skills

Languages	Python, Java, JavaScript, TypeScript, C++, C, SQL, NoSQL, HTML/CSS
Libraries/Frameworks	Spring Boot, JUnit, Node, React.js, React Native, Django, Next.js, Tailwind
Other	Git, Linux/Unix, Firebase, Postman, Docker, Jenkins, Jacoco, Sonar, MongoDB

Experience

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

- Constructed extensive unit tests to increase code coverage in "mc-java-job-list" api from 64% to 79%.
- Created a Maven Spring Boot microservice that cleans up internal jobs in the Mitchell Connect website through EMS Scanner workflow in QA and Dev environment with 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.
- Collaborated with team members in an Agile style with daily scrum meetings, sprints and PSI's.

Software Engineer — Startup 2021
TradEd — Nashville, TN

- Worked on an E-Commerce app where college students can buy and sell items on campus.
- Consulted with executive members about the style, budget, and overall goals for the MVP.
- Implemented 10+ front-end screens and was able to demo the functionality to exec members.
- Increased database efficiency in Firebase by 20% by reducing the number of documents read.

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

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 in JavaScript.
- Deployed the single page React application on the web using GitHub Pages.

Automated Food Ordering System 2022

- 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 avg. ordering time by 60%.

Activities

Vanderbilt Men's Volleyball Club