

Jeffrey Luu

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EDUCATION

University of Washington

Seattle, WA

Bachelor of Science

Expected Graduation: June 2026

Major in Computer Science; Minor in Business Administration

Relevant Coursework: Introduction to Programming I-III (Java), System and Software Tools, Discrete Mathematics, Hardware and Software Interface, Data Structures and Algorithms

SKILLS

- **Programming Languages:** Java, C, HTML, CSS, Javascript
- **Software and Tools:** Visual Studio Code, IntelliJ IDEA

PROJECTS

Personal Website: <https://jeffreyhluu.github.io/>

- I created a proficient website using HTML, CSS, and Javascript with many interactive pages displaying contact and personal information along with my resume, LinkedIn, and GitHub.

Implementing Bellman-Ford algorithm:

- Taking CSE 332 (Data Structures and Algorithms). By using Java, I worked on an assignment that utilizes the Bellman-Ford algorithm to focus on computing the shortest and most efficient possible paths for data structures that consist of balancing trees, hash tables, dictionaries, priority queues, and graphs. Which executes any array operations and edge checks to detect any negative-cost cycles to prevent any locks.

Implementing HashTrieMap:

- Taking CSE 332 (Data Structures and Algorithms). By using Java, I worked on an assignment that utilized several different data structures such as Trie, HashMap, and TreeMap and implemented the Data Structure HashTrieMap, which is an implementation of a trie, where the pointers consist of a HashMap. To explore the implemented Data Structure, additional methods like findPrefix and delete are developed, alongside fuzzy testing where random/broad inputs are tested.

EXPERIENCE

2022 - 2023 Allen School Startup Program

Seattle, WA

The University of Washington Paul G. Allen School

August 2022 – June 2023

- The Allen School Startup program is an instituted one-year cohort organization for first-generation, low-income, and underserved communities in Washington State.
- Students participate in facilitated quarterly community activities such as group projects, weekly study groups, and peer-base mentoring.
- Participate in quarterly cohort community activities, group projects, and weekly study groups that foster communication and collaboration skills.