Washington, WA
734-436-9588

Joshua Kim

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Education

Seattle, Wa **University of Washington** **Sep 2022 | Present**

- BS in Computer Science. GPA: 3.80. CSE GPA: 3.90

Experience

Student Researcher **UW Medicine** **Jul 2022 – Present**

Seattle, WA

- Coded in R to manipulate and analyze data. Published to peer-reviewed medical journal. Authored 3 abstracts, first author on one of them. All were accepted to national health conference at which I will be presenting. More details on my Linkedin.

Sales Associate **Seattle Tennis Club** **Aug 2019 – Sep 2022**

Seattle, WA

- Helped coordinated Washington's most prestigious tennis tournament and excelled in customer service
- Managed inventory control using Microsoft Excel.

Skills

- Programming Languages: Java, SwiftUI, JavaScript, Python, R, HTML/CSS

Projects

- **GoalShare** Developed a mobile application using SwiftUI and object-oriented programming for tracking goal progress, with data flow management and SQLite for data storage. Utilized GitHub for version control, and Git for stashing changes and collaborative project management. SwiftUI, SQLite, Object Oriented Programming
- **Huffman** Developed a HuffmanCode class in Java for efficient data compression, demonstrating proficiency in data structures, binary trees, and implementing the Comparable interface. Enhanced skills in creating well-designed, functionally correct, and maintainable code with clear documentation to improve code comprehension and maintainability. Java, Data structures
- **Dijkstra's Algorithm** Implemented Dijkstra's shortest path algorithm in Java, utilizing data structures such as arrays, sets, maps, and queues to efficiently compute minimum-cost paths between nodes in a graph. Strengthened problem-solving skills in graph traversal, algorithm design, and the use of complex data structures for optimized performance. Java, Graph Traversal

Awards

- **Google Kickstart** (Google) Placed top 16% (879/5403) in competitive programming competition. Involved coding in java to utilize algorithmic strategies (i.e dynamic programming, searching, etc.) to develop efficient solutions to compete against the world's best competitive programmers. Nov 2022