Washington, WA
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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 for data manipulation and analysis
- Published work in a peer-reviewed medical journal
- Authored 3 abstracts, serving as first author on one
- All abstracts accepted for presentation at national health conference
- Presenting findings at poster session for the upcoming conference
- More information available on my LinkedIn profile

Founder **Husky Stringing** **Sep 2022 – Present**

Seattle, WA
- Established a successful on-campus tennis racket stringing service catering to college students
- Generated $2,500 in revenue within the first 6 months of operation
- Effectively managed and maintained inventory for various types of tennis strings
- Fostered strong client relationships through timely communication and exceptional customer service

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 Firebase for data storage and user analytics. Utilized GitHub for version control, and Git for stashing changes and collaborative project management. SwiftUI, Firebase, 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