

Education	Bachelor of Computer Science & Software Engineering University of Washington Bothell	GPA 3.7 <i>Expected graduation in Spr. '19</i>
Highlighted Coursework	<ul style="list-style-type: none"> • Computer Networking Spring '18 TCP/UDP, servers, routing, traffic congestion management, security/performance. • Database Systems Spring '18 Hierarchical, relational and network DB designs. Structured Query Language, data modeling. • Hardware & Computer Organization Winter '18 Digital logic, memory design, state machines, microprocessor models, instruction set design. • Operating Systems Fall '17 System architecture, memory management, process scheduling, resource allocation. • Software Analysis & Design Fall '17 Team project based. Requirements, diagrams, prototyping, risk analysis, code review/test plans, the software life cycle and documentation. • Data Structures & Algorithms I/II Winter/Spring '17 Algorithm analysis with mathematical reasoning. Binary, hexadecimal, trees, lists, arrays, heap/merge/quick sort and binary search. 	
Key Skills	<ul style="list-style-type: none"> • Java, C# .NET, C++, HTML/CSS • Technical writing • Agile, Scrum • Windows, Linux CLI • SQLite, Assembly, Python • Version control, UML • Problem-solving • Adapt and learn quickly 	
Relevant Projects	68K Disassembler – Hardware & Computer Organization Translates machine code into human-readable 68K source.	Mar. '18
	ThreadOS File System – Operating Systems Implements a UNIX file system, including unit tests for many read/write types.	Dec. '17
	ThreadOS Cache – Operating Systems Implements data block caching and page replacement to improve disk performance.	Nov. '17
	ThreadOS Scheduler – Operating Systems Implements the round robin algorithm to schedule thread tasks for a virtual operating system.	Nov. '17
	Media Inventory System – Data Structures & Algorithms II Applies object-oriented design to manage and search for inventory using multiple databases.	May '17
	Dijkstra's Shortest Path – Data Structures & Algorithms II Calculates the shortest path from any source to any destination on a coordinate map system.	May '17
	Image Segmentation – Data Structures & Algorithms I Implements an algorithm to partition images by scanning pixels and grouping by color.	Mar. '17
Additional Experience	Math and Science Tutor <i>Academic Link Outreach (non-profit)</i> Support young students with proven test-taking strategies to prepare them for exams.	Jan. '18 - Present <i>Kirkland, WA</i>
	Programming Tutor <i>Self Employed</i> Engage high school students with exciting ways to solve problems and develop their skills.	Feb. '14 - Present <i>Bothell, WA</i>