

Education	Bachelor of Computer Science & Software Engineering University of Washington Bothell		GPA 3.7 <i>Expected graduation in Dec. '18</i>
Highlighted Coursework	<ul style="list-style-type: none">• Computer Networking Spring '18 TCP/UDP, packet switching, routing, traffic flow 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/stakeholders, diagramming and prototyping, risk analysis, communication/progress reporting.• 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">• C++, Java, 68K Assembly• UML• Agile, Scrum• Windows, Linux CLI• Version control• Technical writing• Time management• Problem solving		
Relevant Projects	68K Disassembler – Hardware & Computer Organization Mar. '18 Translates machine code into human-readable 68K source.		
	ThreadOS File System – Operating Systems Dec. '17 Implements a UNIX file system, including unit tests for many read/write types.		
	ThreadOS Scheduler – Operating Systems Nov. '17 Implements the round robin algorithm to schedule thread tasks for a virtual operating system.		
	Media Inventory System – Data Structures & Algorithms II May '17 Applies object-oriented design to manage and search for inventory using multiple databases.		
	Dijkstra's Shortest Path – Data Structures & Algorithms II May '17 Calculates the shortest path from any source to any destination on a coordinate map system.		
	Image Segmentation – Data Structures & Algorithms I Mar. '17 Implements an algorithm to partition images by scanning pixels and grouping by color.		
Additional Experience	Math and Science Tutor '18 - Present <i>Academic Link Outreach (non-profit)</i> Kirkland, WA Motivate junior high school students about STEM to prepare them for exams.		
	Auto Parts Adviser '16 - Present <i>AutoZone, Inc.</i> Lynnwood, WA Perform diagnostics, troubleshoot and find parts for vehicles to deliver repair advice.		
	Programming Tutor '14 - Present <i>Self Employed</i> Bothell, WA Engage high school students with exciting ways to solve problems and develop their skills.		