

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