

# Adam Ali

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Education	<b>University of Washington Bothell</b> <b>GPA 3.7/4.0</b> <i>Bachelor of Computer Science and Software Engineering</i> <i>Anticipated graduation date – March 2019</i> <i>Dean's List, Spring 2017 – Present</i>
Coursework	<ul style="list-style-type: none"><li>• Data Structures and Algorithms</li><li>• Operating Systems</li><li>• Hardware and Computer Organization</li><li>• Analysis and Design</li></ul>
Skills	<ul style="list-style-type: none"><li>• C++, Java, Python, HTML/CSS</li><li>• UML, SDLC models (Agile, Scrum)</li><li>• Linux, Bash, Git</li><li>• Technical writing</li></ul>
Projects	<p><b>ThreadOS File System w/ Java – Coursework</b> Implements a UNIX-like file system for a virtual operating system, with directories and file I/O. Includes unit tests for many read/write types.</p> <p><b>ThreadOS Scheduler w/ Java – Coursework</b> Implements the round robin algorithm with a multilevel feedback queue to schedule threads for a virtual operating system.</p> <p><b>Inventory Tracking System w/ C++ – Coursework</b> Applies object-oriented design for a media store to manage, distribute and search for items using multiple databases.</p> <p><b>Image Segmentation w/ C++ – Coursework</b> Implements an algorithm to divide an image into sections by scanning pixels and grouping them by color.</p> <p><b>Towers of Hanoi Simulation w/ Java – Recreational</b> Implements the recursive solution with JavaFX graphics showing solutions step by step.</p> <p><b>Raspberry Pi Spectrum Analyzer w/ Python – Recreational</b> Shows peaks in an audio stream by using modified open source and a multicolor LED strip.</p>
Experience	<p><b>Academic Link – Kirkland, WA</b> <b>2018 - Present</b> <i>Math and Science Tutor</i> Help junior and high school students prepare for exams in STEM.</p> <p><b>AutoZone, Inc. – Lynnwood, WA</b> <b>2016 - Present</b> <i>Sales Associate</i> Perform diagnostics, troubleshoot and find parts/repair advice for vehicles.</p> <p><b>PSCSTA Programming Competitions – Seattle, WA</b> <b>2012 - 2016</b> <i>Contestant</i> Learned skills in teamwork, time management and problem solving.</p>