

www.johnpurviance.com

Objective	Position in Software Engineering or Product Management
Education	<b>Virginia Polytechnic Institute and State University</b> , Blacksburg VA <b>Bachelors of Science, Computer Science</b> , Expected Graduation in May 2017 Minor in Economics and Math GPA: 3.339/4.0
Current Work	<b>Undergraduate Teaching Assistant, Introduction to Floral Design</b> Virginia Tech, January 2016 — Present <ul style="list-style-type: none"><li>• Create example designs and assist students with personal arrangements.</li></ul>
Past Work	<b>Software Engineer (Intern), Reinventing Geospatial, Inc.</b> Fairfax Virginia, June 2015 — August 2015 <ul style="list-style-type: none"><li>• Removed security vulnerability in REST web application API.</li><li>• Built and utilized web API's to simplify user workflows for establishing, managing and accelerating Maps and GIS services.</li></ul> <b>Software Engineer (Co-Op), Reinventing Geospatial, Inc.</b> Fairfax Virginia, January 2015 - May 2015 <ul style="list-style-type: none"><li>• Configured and tested RHEL servers for accelerating Maps on Apache.</li><li>• Designed Python command line tools for administrators to manage GIS Services.</li></ul>
Personal Projects	<b>Hardware Cache Simulation and Algorithm Analysis</b> <ul style="list-style-type: none"><li>• Developed Java based cache simulation application for Direct Mapped, Set Associative and Fully Associative Caches with a Write-Back eviction policy.</li><li>• Implements Quick, Heap, Bubble and Insertions Sort along with Linear Search and Binary search for algorithm analysis.</li></ul> <b>Personal Website: <a href="http://www.johnpurviance.com">www.johnpurviance.com</a></b>
Research	<b>NSF/REU - Learning Enhanced Watershed Assessment System</b> (LEWAS Lab) Virginia Tech, Blacksburg Virginia, September 2013 — January 2015 <ul style="list-style-type: none"><li>• Designed a Raspberry Pi based autonomous environmental monitoring system.</li><li>• Established a database with a normalized schema to store data acquired in python.</li></ul>
Past Work	<b>Human Resources Intern, Stansley Industries</b> , Sylvania Ohio, Summer 2013 <ul style="list-style-type: none"><li>• Responsible for driver, employee and company file management.</li></ul>
Skills	Languages: <b>Java, C, Python, HTML, CSS and JS</b> Software: <b>Apache HTTPD, Git, RHEL, ArcGIS, Puppet Configuration Utility and Windows Server</b>
Leadership Experience	<b>VT Computer Science Mentor Club</b> , Spring 2014 and 2016  <b>Vice President</b> , Hawthorn House, Residential College at West Ambler Johnston Virginia Tech, August 2013 — May 2014 <ul style="list-style-type: none"><li>• Collaborated with college council members to manage and promote house events and service projects.</li><li>• Liaison between the Residential College at West Ambler Johnston and the Virginia-Maryland Regional College of Veterinary Medicine to promote student involvement in volunteering.</li></ul>