

John S.G. Purviance

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Full-Time Software Engineering Position

Education	Virginia Polytechnic Institute and State University , Blacksburg VA B.S. in Computer Science , Expected Graduation in May 2017 Minors in Economics and Math Computer Science GPA: 3.53/4.0 University GPA: 3.23/4.0
Employment	Teaching Assistant, Intro to GUI Virginia Tech, August 2016 - December 2016 <ul style="list-style-type: none">• Instruct students on how to develop full stack web applications. Data Engineer (Intern), Capital One Dallas TX, June 2016 — August 2016 <ul style="list-style-type: none">• Developed REST API for tracking and serving log files with Node.js on AWS.• Built application dashboard for visualizing system utilization and job tracking.• Managed technical responsibilities of three new hires for project migration. Software Engineer (Intern), Reinventing Geospatial, Inc. Fairfax VA, June 2015 — August 2015 <ul style="list-style-type: none">• Removed security vulnerability in REST web application API.• Built and utilized web API's to simplify user workflows for establishing, managing and accelerating Maps and GIS services. Software Engineer (Co-Op), Reinventing Geospatial, Inc. Fairfax VA, January 2015 — May 2015 <ul style="list-style-type: none">• Designed Python command line tools for administrators to manage GIS Services.• Configured RHEL servers for accelerating Maps on Apache. Teaching Assistant, Introduction to Floral Design Virginia Tech, January 2016 — May 2016
	Research Assistant - LEWAS Lab, Virginia Tech, September 2013 — January 2015 <ul style="list-style-type: none">• Designed a Raspberry Pi based autonomous environmental monitoring system.
Personal Projects	Cafe Connect , Capital One Hackathon, July 2016 <ul style="list-style-type: none">• Mobile / Web App Winner for creating an iOS and Web App for facilitating interaction between Capital One customers and banking ambassadors.• Designed and developed Node.js REST API for application hosting and customer request management. Flex , Budget Management Application, VTHacks III February 2016 <ul style="list-style-type: none">• Microsoft API Winner for use of Azure and Microsoft's Public APIs.• Designed Python REST API for interfacing with Capital One user accounts. Hardware Cache Simulation and Algorithm Analysis <ul style="list-style-type: none">• Developed Java based cache simulation application for algorithm analysis
Skills	Python, Java, JavaScript, C, HTML, CSS, Git, AWS and Node.js
Leadership Experience	VT Computer Science Mentor Club , Spring 2014 and 2016 Vice President , Residential College at Virginia Tech, August 2013 — May 2014