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## EDUCATION

**Wake Forest University** Winston-Salem, NC  
*Bachelor of Science in Computer Science and Mathematics* May, 2016

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## TECHNICAL TOOLBOX

*Most Knowledgeable:* Amazon Web Services (AWS), Bash scripting, C++, Microsoft Azure, Windows PowerShell

*Knowledgeable:* Ansible, Ansible Tower, Bitbucket, Confluence, CentOS Linux, Git, GitHub, HashiCorp Vault, LaTeX, Mac OS X, Jira, Rundeck, Vi

*Familiar:* Eclipse IDE, Jenkins, Red Hat Linux, Twitter Bootstrap, Visual Studios

*Other:* AngularJS, C#, Java, jQuery, Laravel, PHP, SonarQube

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## EXPERIENCE

**Microsoft, Inc.** Redmond, WA  
*Site Reliability Engineer* Fall 2020 - Present

- ◊ Member of the Sovereign Cloud Product Engineering team responsible for enhancing, managing, and supporting applications and infrastructure in Azure government cloud fabrics through secrets and certificate rotation, vulnerability management, and PowerShell automation.

- ◊ Member of the Azure Support Case Management which provides the capabilities allowing customers to submit support request tickets for Azure Cloud services and offerings. Utilized the Express V2 (EV2) orchestration service in conjunction with Azure Resource Manager templates, service models, scope binding files, and Azure DevOps continuous integration and release pipelines in order to create automated, declarative, and scalable deployments for 7+ different micro-services across thirteen different cloud regions; leveraged Windows PowerShell to automate interactions with Azure resources and configured monitoring solutions to track and report health metrics for servers running external software and applications.

- ◊ Served as part of an on-call rotation to ensure that mission-critical, customer facing applications and services remain fully functional and operational within the sovereign government cloud space.

**Leidos, Inc.** Reston, VA  
*Software Engineer* Summer 2018-Fall 2020

- ◊ Part of a four person team engineering, enhancing, and managing an AWS, cloud-based infrastructure spanning two networks, six different environments, and 197 servers

- ◊ Spearheaded the installation, configuration, and deployment of Rundeck, an open-source runbook automation software solution, across six environments

- ◊ Organised and delivered a high-level keynote presentation of Rundeck's powerful and flexible automation capabilities to a cross-section of team leaders and upper management

- ◊ Led the installation, configuration, deployment, and population of HashiCorp Vault, an open-source software solution, used for the secure storage and governance of passwords and other infrastructure secrets

- ◊ Leveraged CloudFormation templates to architect, build, and configure core servers that function as the automation and management nucleus for each of the six environments

**Leidos, Inc.** Chantilly, VA  
*Software Engineer* Summer 2016-Summer 2018

- ◊ Augmented the software baseline of the WISDOM program by developing a Java-based plug-in to allow for the ingest of Periscope data through Periscope's API

- ◊ Maintained and enhanced the back-end infrastructure of the GEOAxIS program through leveraging of the Oracle IdAM stack, bash scripting, AWS, and Ansible deployments to support the delivery of Identity and Access Management services to the National Geospatial Agency

- ◊ Collaborated in a linux based, team environment using the Agile development methodology and the Atlassian product suite

**1834 Software** Winston-Salem, NC

*Full Stack Web Engineer* Spring 2013-Winter 2015

- ◊ Collaborated with other students in a group environment utilizing the Agile methodology of scrum teams along with HTML, CSS, and PHP to design, engineer, and create both dynamic and static web sites for various organizations on campus such as Wake Wash, Hit The Bricks, and others

**Assistance.net, Inc.** Arlington, VA

*Co-founder, Chief Communications Officer, and Web Developer* Spring 2013-Winter 2015

- ◊ Employed Laravel (a PHP framework), HTML, and CSS to design and construct the premier online marketplace for individuals to provide specialized services

- ◊ Coordinated with other developers to create and implement code; conferred with other board members to best guide Assistance.net, Inc. financially, socially, and technically, and to raise money through investor presentations and crowdfunding

**Noblis, Inc.** Falls Church, VA

*Full Stack Developer* Summer 2015

- ◊ Worked with other developers utilizing the Agile methodology of scrum teams, C#, Twitter Bootstrap, SQL Databases, HTML, and jQuery, in order to complete the base search functionality for a web-based application that allows the Federal Aviation Administration to improve the tracking capabilities for their telecommunication services

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## COMMUNITY AND INVOLVEMENT

**Wake Forest Running Club** Winston-Salem, NC

*Participant* Spring 2013-Fall 2015

- ◊ Practiced weekdays for one to two hours; travel and compete in meets and races on the weekends

**Boy Scouts of America** Arlington, VA

*Eagle Scout* Winter 2003-2012

- ◊ Spearheaded, organized, and oversaw the restoration of an eroded hillside at a public school in Arlington, VA, which included government approvals, planting with native plants, and maintenance for nine months

- ◊ Elected Assistant Senior Patrol Leader and Assistant Patrol Leader and oversaw the organization, development, and instruction of scouts ages 10 to 18

**Save the Planetarium** Arlington, VA

*Volunteer* Summer 2010-2011

- ◊ Presented flyers to and communicated with individuals to recruit members and supporters for an organization that promoted awareness about appropriate funding for the county planetarium

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## AWARDS AND ACHIEVEMENTS

**Hack-a-Thon, C5ISR** Charleston, SC

*2<sup>nd</sup> Place* November, 2014

- ◊ Competed against industry and government teams, including the U.S. Army, Centurum, SPARC, Engility, and SPARWAR

**Boy Scouts of America** Winter 2012

- ◊ Achieved the rank of Eagle Scout, the highest in the Boy Scouts of America

*This resumé is written in LaTeX.*