

# Denise A. Irvin

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<b>Education</b>	<b>Texas A&amp;M University</b> <i>College Station, TX</i> Bachelor of Science in Computer Science Minor in Business Major GPA: 4.0; Overall GPR: 3.97	Dec. 2017
<b>Technical Skills</b>	<i>Proficient in:</i> Python, Ansible, C++, Java, Git, Flask, Unit Testing, HTML <i>Familiar with:</i> NoSQL, SQL, BASH, Docker, JavaScript, Haskell, CSS	
<b>Work Experience</b>	<b>The Boeing Company, <i>Automation and Assembly Intern</i></b> , May 2017-Aug. 2017 Boeing Research and Technology, <i>Charleston SC</i> <ul style="list-style-type: none"><li>Developed Robot Operating System (ROS) nodes to compute inverse kinematic solutions, automated task planning, and adjacency calculation for factory automation</li><li>Refactored existing code base to reduce redundant code and reduce maintenance costs</li><li>Improved code quality and test coverage by unit testing across multiple classes and projects</li></ul> <b>Rackspace Hosting, <i>Software Developer Intern</i></b> , May 2016-Aug. 2016 Infrastructure Practice Area, <i>San Antonio TX</i> <ul style="list-style-type: none"><li>Deployed public cloud monitoring system to data centers across the globe with Ansible</li><li>Created system with a team of five to monitor the uptime and state of public cloud servers</li><li>Automated routine tasks in server management to reduce time and human error</li><li>Wrote technical Ansible tutorial for company blog to provide support for cloud users</li></ul> <b>Texas A&amp;M University, <i>Student Technician</i></b> , Seasonal Feb. 2015-May 2016 Department of Computer Science, <i>College Station TX</i> <ul style="list-style-type: none"><li>Provided technical and account support to students, staff, faculty</li><li>Managed computer labs, printers, sound equipment, projectors</li></ul> <b>Parasol Laboratory at Texas A&amp;M University, <i>Student Researcher</i></b> , Feb. 2015-Dec. 2015 Parallel Software Group, <i>College Station TX</i> <ul style="list-style-type: none"><li>Authored programs to assist in developing the Standard Template Adaptive Parallel Library</li><li>Analyzed performance and tested code run in parallel</li></ul>	
<b>Leadership</b>	<b>Aggie Women in Computer Science</b> <i>President</i> , Aug. 2016-Aug. 2017 <ul style="list-style-type: none"><li>Redesigned communication system for officer team to reduce oversight</li><li>Chaired officer team in development of annual program and new mentorship focus</li><li>Liaised between organization and university to secure funding, facilities for events</li></ul> <b>Media Officer</b> , Feb. 2015-Aug 2016 <ul style="list-style-type: none"><li>Designed and implemented new club website to reflect new club vision</li><li>Organized, advertised and led a monthly event with turnout seven times greater than usual</li></ul> <b>TAMUHack</b> <i>Organizer</i> , July 2016-present <ul style="list-style-type: none"><li>Organized with a team of nine university hackathon of over 500 students</li><li>Recruited and managed volunteers to serve event</li><li>Contacted technology companies to secure sponsorships</li><li>Initiated and led technical workshops for college students</li></ul>	
<b>Volunteer</b>	Construction Worker, Habitat for Humanity	Aug. 2012-present
<b>Honors and Memberships</b>	Undergraduate Research Scholar ACE Scholar (Computer Science Honors Student) Texas A&M Computing Society (ACM) Society of Women Engineers	May 2017 Aug. 2014-present Sept. 2014-present Sept. 2014-present