

Denise A. Irvin

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