Denise A. Irvin

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**Education Texas A&M University** *College Station, TX* Dec. 2017

Bachelor of Science in Computer Science

Minor in Business

Major GPA: 4.0; Overall GPR: 3.97

**Technical Skills** *Proficient in:* Python, Ansible, C++, Java, Git, Flask, Unit Testing, HTML

*Familiar with:* NoSQL, SQL, BASH, Docker, JavaScript, Haskell, CSS

**Work Experience The Boeing Company, *Automation and Assembly Intern***, May 2017-Aug. 2017

Boeing Research and Technology, *Charleston SC*

* Developed Robot Operating System (ROS) nodes to compute inverse kinematic solutions, automated task planning, and adjacency calculation for factory automation
* Refactored existing code base to reduce redundant code and reduce maintenance costs
* Improved code quality and test coverage by unit testing across multiple classes and projects

**Rackspace Hosting, *Software Developer Intern***, May 2016-Aug. 2016

Infrastructure Practice Area, *San Antonio TX*

* Deployed public cloud monitoring system to data centers across the globe with Ansible
* Created system with a team of five to monitor the uptime and state of public cloud servers
* Automated routine tasks in server management to reduce time and human error
* Wrote technical Ansible tutorial for company blog to provide support for cloud users

**Texas A&M University, *Student Technician***, Seasonal Feb. 2015-May 2016

Department of Computer Science, *College Station TX*

* Provided technical and account support to students, staff, faculty
* Managed computer labs, printers, sound equipment, projectors

**Parasol Laboratory at Texas A&M University, *Student Researcher***, Feb. 2015-Dec. 2015

Parallel Software Group, *College Station TX*

* Authored programs to assist in developing the Standard Template Adaptive Parallel Library
* Analyzed performance and tested code run in parallel

**Leadership Aggie Women in Computer Science**

*President*, Aug. 2016-Aug. 2017

* Redesigned communication system for officer team to reduce oversight
* Chaired officer team in development of annual program and new mentorship focus
* Liaised between organization and university to secure funding, facilities for events

*Media Officer,* Feb. 2015-Aug 2016

* Designed and implemented new club website to reflect new club vision
* Organized, advertised and led a monthly event with turnout seven times greater than usual

**TAMUHack**

*Organizer,* July 2016-present

* Organized with a team of nine university hackathon of over 500 students
* Recruited and managed volunteers to serve event
* Contacted technology companies to secure sponsorships
* Initiated and led technical workshops for college students

**Volunteer** Construction Worker, Habitat for Humanity Aug. 2012-present

**Honors and** Undergraduate Research Scholar May 2017

**Memberships** ACE Scholar (Computer Science Honors Student) Aug. 2014-present

Texas A&M Computing Society (ACM) Sept. 2014-present

Society of Women Engineers Sept. 2014-present