

# Denise Irvin

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**Objective** Seeking a cloud computing engineer position where skills in programming, network security, and cloud-based development can be built upon and put into practice.

**Education** **Texas A&M University, College Station, TX** Dec. 2017  
Bachelor of Science in Computer Science  
Minor in Business  
Major GPR: 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*

- Assisted in the development of two Robot Operating System nodes to return inverse kinematic solutions for automated path planning of factory robots
- Improved code quality and test coverage through unit and integration testing
- Refactored legacy code base to reduce redundant code and reduce maintenance costs in library, task planning, and adjacency calculator submodules

**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 programmed 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 \$4000 in sponsorships

**Honors and Memberships** Undergraduate Research Scholar May 2017  
ACE Scholar (Computer Science Honors Student) Aug. 2014-present  
Texas A&M Computing Society (ACM) Sept. 2014-present