**Denise Irvin**

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**EDUCATION**

**Texas A&M University**

BS in Computer Science

Minor in Business

Major GPA 4.0 | Overall 3.97

Expected Grad: Dec. 2017

College Station, TX

**SKILLS**

**Proficient in:** Python, Ansible, C++, Java, Git, Flask, Unit Testing, Linux

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

**LEADERSHIP**

**Aggie Women in CS**

*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

*Media Officer,* Feb. 2015-Aug 2016

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

**TAMUhack**

*Director,* July 2016-present

* Directed university hackathon of over 500 students
* Recruited, trained and managed volunteers to serve event
* Secured industry sponsorships
* Initiated and led technical workshops for college students

**HONORS**

Undergraduate Research Scholar

Ace Scholar (Honors Student)

FIRST Affiliates Robotics Scholarship

Industrial Scholarship

**MEMBERSHIPS**

ACM, Sept. 2014-present

SWE, 2014-present

Habitat for Humanity, 2012-present

**WORK EXPERIENCE**

**Boeing, *Software Engineering 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 Dev. 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, *Technician*,** Seasonal Feb. 2015-May 2016

Department of Computer Science, *College Station TX*

* Technical, account support to students, staff, faculty
* Managed computer labs, printers, audio, visual equipment

**Parasol Laboratory, *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

**PERSONAL PROJECTS**

**DeadBeat** | JavaScript | Phaser

https://github.com/Takmo/DeadBeat

JavaScript game teaching players to clap on beat

**FeedHub** | Android

https://github.com/dhwanishah/feedhub

Android application to connect students to share meal plans

Placed in top six at CodeRED 2015

**City Scout** | Google Maps API | JavaScript | Web

https://github.com/deniseirvin/CityScout

Users label and store places on google maps via cookies

**Welcome to Scripting** | Web | Python

https://deniseirvin.github.io/build/html/index.html

Accessible site to teach high school audience basic scripting