**Denise Irvin**

github**.**com/deniseirvin | deniseirvin**.**github**.**io

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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