

# Denise Irvin

[github.com/deniseirvin](https://github.com/deniseirvin) | [deniseirvin.github.io](https://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  
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 mentorship focus

*Media Officer*, Feb. 2015-Aug 2016

- Designed and 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

- Organized university hackathon of over 500 students
- Recruited and managed volunteers to serve event
- Secured \$4000 in 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  
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