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