Ashley L. Ng

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Education
The University of Texas, Austin, TX   Dec. 2015
BS in Computer Science
- Major GPA: 3.1
- Minors: Mathematics

Experience
UT Department of Computer Science, Austin, TX   Jun. 2014 – Aug.2014
Undergraduate Teaching Assistant
- Assisted in CS 347 (Data Management)
- Created homework question
- Graded homework, quizzes, and exams
- Assisted professor during class and held official office hours

UT RecSports, Austin, TX   Jun. 2011 – Jun. 2014
Program Assistant and Climbing Wall Supervisor
- Conduct staff meetings and instructional classes
- Assisted outdoor coordinator in the daily operations of a indoor climbing facility
- Outreach service projects
- Recruited, hired, and trained student climbing wall staff

Projects
Climbing Wall Route Detection, Fall 2014
Group Project for 3D Reconstruction with Computer Vision
- Using the OpenCV library, we wrote a program that was able to create a panoramic image of a section of a climbing wall, detect the tape of the climbing wall routes, and detect the color of the tape.

Panoramic/Mosaic Image Stitching, Fall 2014
Group Project and continuance for 3D Reconstruction with Computer Vision
- Using OpenCV, we wrote a program that could warp and stich three images to create a panorama. I continued it further to be able to be able to handle more than three images, as well as creating mosaics.

Business Contracts Database, Spring 2014 – Summer 2014
Group Project and continuance for Data Management and Independent Research
- Using Oracle's SQL Developer, Data Modeler, and Application Express, we designed and created a database and web application for UT's Business Contracts Office.

World Crises Database, Fall 2013
Group Project for Software Engineering
- We created a Django application hosted by Heroku using Python, AngularJS, and Bootstrap to emulate IMDB of world crises, and to dynamically embed content of select people, crises, and organizations.

Skills
Proficient: Python, C++, SQL
Experienced: Git, Java, PL/SQL, Object Oriented Programming
Exposure: Objective-C, iOS App Development

Activities & Leadership
- Texas Rock Climbing team member and IT/Webmaster
- Student representative for the Gregory Gym Climbing Wall Renovation Committee
- Active member of oSTEM (out in Science, Technology, Engineering, and Mathematics)
- Active member of MAD (Mobile App Development)