Kathryn Baldauf

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EDUCATION

University of Texas at Austin, expected graduation May 2019
Bachelor of Science in Computer Science
GPA: 3.85
University Honors: Fall 2015, Spring 2016

COURSE -WORK

Past Major Coursework: Intro to Programming, Data Structures, Discrete Math, Autonomous Intelligent Robotics Freshman Research Initiative (FRI)
Current Major Coursework: Computer Organization and Architecture, Autonomous Intelligent Robotics FRI-II

COMPUTER SKILLS

Languages: Java, C++
Tools: Eclipse, Git, Photoshop, Robot Operating System (ROS), Geany
Libraries: OpenCV, Point Cloud Library (PCL)
Environments: Mac OSX, Ubuntu, Windows XP - Windows 10

EXPERIENCE

Autonomous Intelligent Robotics Fellowship   Summer 2016
Research Experience for Undergraduate Students
- Contributed to large, pre-existing code base of Building Wide Intelligence Laboratory on Github
- Developed and improved ROS actions in C++ to explore an object on a table using a Kinova Mico arm on a Segway base robot for use in exploration of an enviroment
- Worked on an individual research project under guidance from a research instructor and undergraduate mentors
- Collaborated with fellow students to accomplish goals

PROJECTS

BWI Pulse Detector   Spring 2016 - current
Goal to develop a ROS action to read and display the heart beat of a person using Eulerian Video Magnification

ACTIVITIES

Women in Computer Science, Fall 2016
Machine Learning and Data Science, Fall 2016