Xien Thomas

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OBJECTIVE

Team oriented individual with strong aptitude for learning and Master's in Computer Science. Interested in the Software Engineer position where solid computer science background and understanding of data analytics will be utilized.

EDUCATION

Texas A&M University College Station, Texas
M.S. Computer Science, August 2020
-Emphasis: Machine Learning, Artificial Intelligence, Software Development

Texas Southern University Houston, Texas
B.S. Computer Science, Spring 2016

WORK EXPERIENCE

Texas A&M - College Station, TX
Graduate Research Assistant - August 2016 - May 2020
- Collaborate with different departments to create an android application to collect user's sketching data for pre-processing
- Developed a robust machine learning algorithm to differentiate adult and children sketching data in Python and Java with an 86% accuracy
- Led and collaborate with researchers and NASA to develop a robust system to fuse Microsoft Kinect and Inertial Measurement Units to detect joint angles; the degree error was 8.9 from the golden standard
- A paper of our system was accepted to Body and System Network (BSN) Conference

Texas A&M - College Station, TX
Teaching Assistant - August 2016 - August 2019
- Led and managed different undergraduate senior design projects
- Collaborated with Professors and Teaching Assistants to design and grade quizzes, C++/Linux assignments, and exams for undergraduate students
- Led multiple learning labs to foster the knowledge of C++ and Linux commands

UC San Diego - San Diego, CA
Research Assistant - June 2015 - August 2015
- Improved a system that gamify mathematical proofs using Javascript and Ruby on Rails, resulting in solving more complex proofs

NASA Marshall Space Flight Center - Huntsville, AL
Intern - June 2014 - August 2014
- Refurbished an existing system to collect and construct raster files from satellite data, which results in a faster geographical updates in 3rd world countries
  - My system was used in nepal earthquake disaster in 2015

SKILLS AND QUALITIES

Programming Languages: C++, Linux, Python, Java, C#, Javascript, HTML/CSS, Ruby on Rails

Leadership	Software Development	Mobile Apps
Collaboration	Problem Solving	Data Structure
User Interfaces	Technical Writing	Agile Development/Methodologies
Front End Development		