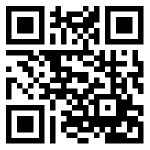
****Princess Priscilla Lyons

# Education

## Doctor of Philosophy | May 2022 | University of Florida, Gainesville

* Major: Electrical & Computer Engineering, 3.52/4.00
* Research Interests: Machine Learning, Natural Language Processing, Data Analytics

## Master of Science | Honors Scholar | Dec 2019 | University of Florida, Gainesville

* Major: Electrical & Computer Engineering, 3.52/4.00
* Research: Machine Learning, Image Processing, Anomaly Detection

## Dual Bachelor of Science | Honors Scholar | May 2017 | University of Missouri, Columbia

* Major: Electrical Engineering, Computer Engineering, 3.16/4.00
* Minor: Spanish, Computer Science, Mathematics

# Work Experience

## *Data Science Intern* | Lam Research Corporation | Summer 2020

* Worked on an Industry 4.0 initiative within the Service Analytics Research and Development group to improve automatic equipment testing and analysis between field engineers and data analysts
* Developed efficient parsers to extract recommended datalog parameters used for building statistical models from numerous technical documents and export them for easier utilization for model building
* Created programs to automatically generate and filter subsystem parameter for fleet monitoring application which is being developed for Lam Flex and Kiyo Etch Chambers

## *Graduate Research Assistant* | University of Florida | Fall 2017 – Present

* Conducted natural language processing research on multi-lingual datasets to analyze the effects of translation on cross-lingual authorship attribution
* Cooperated with a team of researchers from remote universities to develop an underwater environmentally adaptive target characterization and detection system
* Compared and developed unsupervised and supervised anomaly and target detection methods in synthetic aperture sonar (SAS) imagery
* Authored and presented a SPIE Defense + Commercial Sensing research paper titled, “Comparison of Prescreening Algorithms for Target Detection in Synthetic Aperture Sonar Imagery.” [1]

## *Software Engineering Intern* | Lockheed Martin – Space Systems Company | Summer 2016/2017

* Collaborated with a team of software engineers on an independent research and development project
* Created C++ software tools to parse SDAS files of a switch matrix to locate errors in the hardware configuration, return all USB device names, GUIDs and paths to the user
* Designed a C++ driver to interface with a Serial I/O SIO4 board using a RS422 communication standard on a RedHawk Linux real-time operating system
* Utilized the Hardware-in-the-Loop (HWIL) technique to troubleshoot and perform successful transmissions and receptions of data with a serial I/O SIO4 board for an integrated flight simulation

# Skills & Relevant Courses

* Skilled in C, C++, Java, Python, R, CUDA, OpenMP and Matlab programming languages
* Software Design, Embedded Systems and Computer Architecture, Hardware Security
* Machine Learning, Image Processing, Data Analytics and Natural Language Processing
* Fundamentals of Biometric Identification
* Advanced conversational Spanish

# Honors, Leadership & Activities

* GEM Full Science Fellow 2020
* Univ. of Florida Graduate Research Assistantship Award
* Univ. of Florida ECE Ambassador (2020 – Present)
* Univ. of Missouri, Celebration of Women in Engineering Honoree 2016
* Univ. of Missouri Dean’s Lists (Fall 2014, 2016)
* Univ. of Missouri Engineering Ambassador (2014-2015)
* Mizzou IEEE Secretary (2015-2016)
* Mizzou IEEE Engineers Treasurer (2016-2017)
* Griffiths Leadership Society of Women (2014-Present)
* National Society of Black Engineers (2012 – Present)