# JINGMIN YU

email.png

352-222-1481   phone.png   jmyu1994@ufl.edu   linkedin.png jingmin-yu   github.png jmyu1994

3700 SW 27th St D-306, Gainesville, FL, 32608

## EDUCATION

**M.Sc. Computer Science**                                                                                           expected May. 2018
**University of Florida(UF), Gainesville, FL**
**GPA 3.6/4.0**      Major Courses: Analysis of Algorithms, Advanced Data Structure, Cloud Computing, Computer Graphics, Computer Architecture

**B.Sc. Electronic Engineering**                                                                                  Sep. 2012 - Jun. 2016
**University of Science and Technology of China(USTC), Hefei, China**
**GPA 3.2/4.3**      Major Courses: Embedded Systems and Applications, Fundamentals of Speech Signal Processing, Fundamentals of Signal Statistical Modeling

## RESEARCH EXPERIENCE

**Clustering on Frequency Hopping Signals**                                                         Jan. 2015 - Jun. 2016
*Supervised by Prof. Xiaodong Xu*                    *Communication and Electronic System Laboratory of USTC*
· implemented k-means and a density-based clustering algorithm for analyzing frequency hopping signals
· built each step of simulation for analyzing frequency hopping signals on MATLAB
· resulted in the accuracy of network sorting and station separating both over 0.9

## PROGRAMMING EXPERIENCE

**PageRank on Wikipedia Pages(Scala, Spark, GraphX, AWS)**                         Sep. 2017 - Oct. 2017
· built an Apache Spark cluster with HDFS on AWS EC2
· programmed in Scala and computed the ranks of Wikipedia pages based on 31GB Freebase Wikipedia Extraction data
· compared performance of pure Spark and GraphX

**Google Autocomplete(Java, MapReduce, Docker, MAMP)**                           July. 2017 - Aug. 2017
· constructed N-Gram Library from Wikipedia data and created Language Model based on statistical probability, saved data to MySQL database
· designed a webpage with HTML/CSS, JQuery, PHP and Ajax to present results

**Android TodoList(Java, XML, Android Studio)**                                              June. 2017 - July. 2017
· designed main page with ListView and Fab
· optimized memory consumption and glide fluency with recycled view and convertView
· used Android AlarmManager and NotificationManager to remind users of unfinished business

**Internet Chat Application(Java, Eclipse, Swing)**                                          Oct. 2016 - Nov. 2016
· programmed in Java and utilized Socket Programming on Eclipse
· realized unicasting and broadcasting message and file on multi-threads
· designed a concise GUI with Java Swing to manipulate the application and show results

**Arm-like device(C++, OpenGL, Blender, Xcode)**                                         Sep. 2016 - Nov. 2016
· used Blender to draw an arm-like object and applied OpenGL to manipulate and show on Xcode
· accomplished picking and rotating for each part of the device
· displayed a 3D model and automate fitting the texture via ray casting

## SKILLS

- Languages: Java, Python, C/C++, MATLAB, SQL, Scala, HTML/CSS, Javascript, PHP
- Frameworks and Tools: Apache Hadoop/Spark, Swing(Java), Maven, jQuery, TensorFlow, Docker, Android Studio, IntelliJ, Git, Linux.