

JIALIANG (LEO) YU

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PROFILE

- Graduate Student seeking a position in
- Professional in *Python, Java, C, C++, Javascript, HTML, CSS, SQL, AngularJS, JQuery, AJAX, RESTful API, PHP, OAuth, Hadoop HDFS, Tomcat, Flask, MongoDB, Tensorflow, Meteor*

EDUCATION

Purdue University, School of Electrical and Computer Engineering	West Lafayette, IN, USA
<i>Master of Science in Computer Engineering</i>	May 2017
Georgia Institute of Technology	Atlanta, GA, USA
<i>Atlanta Summer Program</i>	Aug 2012
Tianjin University, School of Electrical and Computer Engineering	Tianjin, China
<i>Bachelor of Science in Electrical Engineering</i>	Jul 2015

EXPERIENCE

Sensorhound.Inc Summer Intern of Software Engineer	Summer 2016 West Lafayette, IN, USA
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- *Front End Development and Software Testing*
- Build search engine to fetch user information with *Twitter API* and SensorCloud Dashboard to monitor devices
- Write unit test cases in *JUnit, EasyMock and PowerMock* to test SensorCloud server
- Control code version with *Git* and deploy *Jenkins* for software testing

Adaptive Bit-rate Video Transmission Project leader	Jan – May 2016 West Lafayette, IN, USA
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- Design and build a web platform for video playing and execute video transcoding in FFmpeg
- Propose Adaptive Bitrate algorithm and implement as well as embed it in front end
- Configure and deploy Dummynet and control bandwidth through Cygwin and MinGW
- Simulate and adjust the bandwidth in Gaussian distribution and implement it in Bash

Image Style Transfer By Deep Neural Network Project leader	Jan – May 2016 West Lafayette, IN, USA
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- Design a deep learning system that achieves a separation of content from style and render other pictures
- Create feature space provided by the 16 convolutional and 5 pooling Layers of the 19 layer VGG-Network
- Build the system in Tensorflow framework and design a web app with prototype

MULTISCALE COMPLEX NETWORK Research Assistant	Feb 2014 - Jul. 2015 Tianjin University, China
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- Design cycle excitation sensor system and WINCE based portable measurement system
- Analyze and process big data with theory of *Multi-scale Complex Network* and Clustering Coefficient Entropy
- **Published Dissertation:** *Multivariate multiscale complex network analysis of vertical upward oil-water two-phase flow in a small diameter pipe*, *Scientific Reports*, 2016, 6 : 20052 (*SCI,IF* = 5.578)

COURSEWORK and HONORS

- Data Mining / Computing Models and Methods / Computer Network System / Computer Architecture / Modern Data Center / Parallel Machines / Multimedia Systems / Numerical Analysis
- *Scholarship of Excellent Student | Third Prize in National Electrical Mathematical Modeling Contest | Winner Prize in Robot Combat of Tianjin University | Advanced Individual in International Exchange Program*