# YUANYI(JOHNNIE) YANG

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## EDUCATION

**University of Toronto,** Toronto, Canada | *Sept. 2016-Current*

*Master of Computer Engineering*

- Related Coursework: Algorithms and Data Structures, Introduction to Machine Learning, Natural Language Computing, Inference Algorithms and Machine Learning.

**Southeast University,** Nanjing, China | *Aug. 2012-Jun. 2016*

*Bachelor of Information Engineering* Cumulative GPA: 3.57/4.00

## SKILLS

**Languages:** C/C++, Java, Python(Numpy, Scikit-learn, Tensorflow), HTML, CSS, JavaScript(jQuery,D3), SQL, Ruby

**Others:** Matlab, Android Studio, MySQL, AWS, Github, Wordpress, Linux, Photoshop, Aftereffects, Unity 3D

## ACADEMIC PROJECTS

**Image Scene Recognition with Deep Neural Network** |*Nov. 2016-Dec. 2016*

- Designed and realized various image scene prediction methods with GIST and SIFT features and classifiers including KNN, SVM, Neural Network and CNN to recognize different scenes by fine-tuning pre-trained AlexNet and VGG net on GPUs from the AWS, with an accuracy over 70%.

**Facial Micro-Expressions Recognition** |*Oct. 2015-May. 2016*

- Designed and realized a facial micro-expressions detection and recognition method from feature extraction to classification by programming with Python, Visual Studio and Matlab with experiments on CASME database.

**A Map Navigation Software Based on MFC** |*Sep. 2013-Oct. 2013*

- Designed map navigation program to display traffic flows in the real time, support path finding services and show the shortest path to the destination for users, written in C++.

## EXPERIENCE

**Udacity Android Basics Nanodegree by Google** |*Dec. 2016-Jan. 2017*

- Finished 7 of 10 Android projects in Udacity with Android Studio, written in Java, and learned the basic Android knowledge including XML layout, Intents, Activity Lifecycle, Fragments, Jason and HTTP Networking.

**Developed and managed blog websites.** |*Mar. 2015 -Dec. 2015*

- Designed and developed custom templates and functions for Wordpress based sites.
- Fixed front end bugs including HTML, CSS, JavaScript errors.

**Assistant in Pattern Learning and Mining Lab, Southeast University** |*July. 2015 -Sep. 2015*

- Wrote a web crawler program in Python, collected and stored relevant information of films over 10 years from IMDb website in a MySQL database.
- Developed a website with HTML and JavaScript to visualize the data with D3 .js.

## INTERESTS

**Sports:** Swimming, Climbing, Jogging. **Arts:** Anime MAD Editor, UI designer. **Game:** Steam, Playstation, Xbox