

# VIET ANH TRINH

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## EDUCATION

### **CUNY Graduate Center, New York, US**

2016-Present

Ph.D. in Computer Science

- Research interest: Machine Learning
- Advisor: Professor Michael I Mandel

### **Hanoi University of Science and Technology, Vietnam**

2003-2008

B.S. in Electronics and Telecommunications

- GPA: 8.16 (Grading scale: 10). Classification: Excellent.
- Ranking: Top 1% of the School of Electronics and Telecommunications

## TECHNICAL SKILLS

Python, Tensorflow, Keras, Matlab, C, C++, PHP, HTML, Java, Visual Basic, assembly, R and MySQL

## RESEARCH EXPERIENCE

### **Bubble cooperative networks for identifying important speech cues**

2017

- Developed a network consisting of a generator (Long short-term memory network-LSTM) and a discriminator (LSTM and multilayer perceptron) to identify important time-frequency regions of speech.
- Submitted to a conference (First author)

### **Multi-channel speech enhancement**

2017

- Reviewed literature and deployed baseline method
- Submitted to a conference (Third author)

### **Music composer classification**

2017

- Used different techniques: Support Vector Machines, Logistic Regression, K-Nearest Neighbors to recognize composer of a music piece (Class project)

### **Image classification**

2017

- Applied convolutional neural network to classify images on CIFAR-10 dataset (Class project)

### **Intrusion Detection System**

2008

- BS Graduation thesis
- Analyzed Internet threats and attacks, IDS system structure and its operation.
- Built a security system on Linux with IDS (snort), firewall (shorewall), web-server (apache), data (mysql), web-based interface (webmin)

## WORK EXPERIENCE

### **Research Foundation of the City University of New York, US**

2016-Present

Research Assistant

- Worked with advisor in three projects: Bubble cooperative networks, multi-channel speech enhancement and concatenative analysis-by-synthesis.

### **Texas Instruments(TI), Vietnam**

2011-2016

Technical Business Development Engineer

- Managed TI North Vietnam sale and increased revenue by 250% in 2012, 27% in 2013, 69% in 2014, 150% in 2015 and 30% in 2016.
- Conducted bi-weekly review with distributors: Avnet, Arrow, SS, WT and WPI to achieve sale targets.
- Recommended TI solutions and products (integrated circuit) to build electronic devices: smart phone, telecom base station, set top box, smart home devices, car GPS tracking and toy robots.
- Received reward letter from TI Asia President for achievement in 2016

### **Viettel Technologies, Vietnam**

2008-2011

Technical Team Leader

- Led team to build up and propose video conferencing and network solutions to customers.