

# Wonjoon Goo

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## Research Interest

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Computer Vision, Robotics, Machine Learning

## Education

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Ph.D. in Computer Science Aug.2016-Current  
University of Texas at Austin

B.S. in Computer Science and Engineering (Summa Cum Laude, 1/38) Mar.2008-Feb.2016  
Seoul National University  
GPA 4.03/4.3    GPA in major 4.07/4.3

Exchange Student in Computer Science Dept. Sep.2014-Dec.2014  
University of Toronto  
GPA in major 4.0/4.0

## Work and Research Experiences

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**Lead Web Programmer** Apr.2016-Jun.2016  
Art247, Paju, Korea  

- Developing commercial website with Django web framework  
Site link : <https://m314.kr>

**Undergraduate Research Intern** Mar.2015-Apr.2016  
Vision&Learning Laboratory, Seoul National University  
Advisor : Prof. Gunhee Kim  

- Improving CNN performance using external information such as taxonomy  
Collaborated with Sung Ju Hwang in Ulsan National Institute of Science and Technology
- Developing motion planning algorithm in humanoid robot using deep learning architecture  
Collaborated with Jehee Lee in Seoul National University

**Lead Server Programmer** Dec.2010-Jan.2014  
Ani-Park, Seoul, Korea  

- Developing distributed game server software with C++
- Maintaining RDBMS for game data with SQL
- Developing web interface for managing clients with Node.js
- Served as an alternative military service agent

**Summer Programming Intern**

Jun.2010-Aug.2010

Redduck, Seoul, Korea

- Implementing game logic on top of Unreal Engine

## Honors and Awards

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Kwanjeong Educational Foundation Fellowship 2016-2020

Excellent CSE Thesis Awards, Seoul National University 2016

National Scholarship for Science and Engineering 2008-2010, 2014

- Full tuition & fees during regular college years, funded by Korea Student Aid Foundation

Outgoing Exchange Student Scholarship 2014 Fall

- \$2000 from Office of International Affairs

## Teaching Experiences

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Graduate Teaching Assistant at UT, Austin 2016 Fall

- CS 313E, Elements of Software Design

Samsung Convergence Software Course (SCSC) Mentoring Program Mar.2015-Current

- Chosen as a mentor to help students coming for double major in CSE

## Skills

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*Programming Language and Databases*

C++, Python, SQL (Experienced) / Matlab, NoSQL (mongodb), javascripts (Intermediate) /  
Vim, CUDA, Scala (Interested)

*Deep Learning Framework*

Caffe (Experienced) / Torch (Experienced) / Theano + Lasagne (Intermediate)

## Publications

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*International Conferences*

1. **Wonjoon Goo**, Juyong Kim, Gunhee Kim, and Sung Ju Hwang. *Taxonomy-Regularized Semantic Deep Convolutional Neural Networks*. European Conference on Computer Vision (ECCV 2016). Amsterdam, The Netherlands. 2016.

Last updated: August 22, 2016