

## Junha Roh

<https://rohjunha.github.io>  
rohjunha@cs.washington.edu

### RESEARCH INTERESTS

Robotics, Computer Vision, Autonomous Driving, Vision-language Navigation

### EDUCATION

**University of Washington** (Sep 2016 - Present)  
Graduate student in Computer Science and Engineering  
Advisor: Dieter Fox and Ali Farhadi

**Seoul National University** (Mar 2011 - Feb 2013)  
M.S. in Electrical Engineering and Computer Science  
Advisor: Kyoung Mu Lee

**Seoul National University** (Mar 2007 - Feb 2011)  
B.S. in Electrical and Computer Engineering, *Summa Cum Laude*

### APPOINTMENTS

**Waymo** (Mountain View, CA) - Research Intern Sep. 2021 - Jan. 2022  
Worked on neural architecture search for behavior prediction models.

**NEC Labs America** (San Jose, CA) - Research Intern Jun. 2021 - Sep. 2021

**Waymo** (New York, NY) - Research Intern Sep. 2020 - Dec. 2020  
Worked on behavior prediction for autonomous vehicle using GraphNet.

### PUBLICATIONS

**Junha Roh**, Karthik Desingh, Ali Farhadi, and Dieter Fox,  
*LanguageRefer: Spatial-Language Model for 3D Visual Grounding*, CoRL 2021

**Junha Roh\***, Christoforos Mavrogiannis\*, Rishabh Madan\*, Dieter Fox, and Siddhartha S. Srinivasa,  
*Multiple Topologies Prediction for Navigation at Unsignalized Intersections*, CoRL 2020

**Junha Roh**, Chris Paxton, Andrzej Pronobis, Ali Farhadi, and Dieter Fox,  
*Conditional Driving from Natural Language Instructions*, CoRL 2019

**Junha Roh**, Hwasup Lim, and Sang Chul Ahn,  
*A Fast TGV- $l^1$  RGB-D Flow Estimation*, ISVC 2014 (*oral*)

Junseok Kwon, **Junha Roh**, Kyoung Mu Lee and Luc Van Gool,  
*Robust Visual Tracking with Double Bounding Box Model*, ECCV 2014

**Junha Roh**, Dong Woo Park, Junseok Kwon and Kyoung Mu Lee,  
*Visual Tracking using the Joint Inference of Target State and Segment-based Appearance Models*, APSIPA 2013 (*oral*)

### HONORS AND AWARDS

Samsung Scholarship, \$50,000 per year (2016 - 2021)  
Fulbright Scholarship, \$70,000 for two years (gratefully declined, 2015)  
Kwanjeong Educational Foundation Scholarship for Graduates, \$9,000 per year (2011 - 2012)  
Commendation from Seoul National University Engineering Alumni Association (2011)  
Seoul National University Foundation for ECE Scholarship, \$3,500 (February 2011)  
National Science & Engineering Undergraduate Scholarship, \$6,000 per year (2007 - 2010)