Keunhong Park

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Education

- **Ph.D. in Computer Science** **Sep 2015 – (current)**
  The University of Washington, Seattle *Seattle, WA*
  - Area of Research: Computer Vision, Graphics
  - Advisors: Ali Farhadi, Steve Seitz
- **B.S. in Computer Science** **Aug 2009 – May 2013**
  The University of Illinois at Urbana-Champaign *Champaign, IL*
  - Graduated with Highest Honors, Edmund J. James Scholar, Dean's List

Fellowships

- **Samsung Scholarship** **Fall 2015 – (current)**
  Samsung Foundation of Culture *Seoul, South Korea*
  - My Ph.D is being generously funded by Samsung Scholarship ($50,000/year for 5 years).

Publications

- **Park, K.**, Endres, I., Hoiem, D. "Learning Analogies from Independent Part Models.", *Presented as poster at FGVC Workshop at CVPR 2013*

Research Experience

- **Appearance Inference from Photographs and 3D Models** **Sep 2015 – (current)**
  Working with Ali Farhadi (ali@cs.uw.edu), Steve Seitz (seitz@cs.uw.edu) *Seattle, WA*
  - The aim of the project is to learn an appearance model (spatially varying BRDF) of objects in photographs using 3D models as a proxy. This would enable rich interation with stock photographs.
- **Learning Analogies from Independent Part Models** **Aug 2012 – Jun 2013**
  Worked with Ian Endres (iendres@gmail.com), Derek Hoiem (dhoiem@illinois.edu) *Champaign, IL*
  - Used boosted part models to find explicit spatial correspondences across parts of different categories.

Professional Experience

- **Google Inc.** **May 2013 – Aug 2013**
  Software Engineering Intern *Mountain View, CA*
  - Created a graph-based automatic document conversion system for Google Cloud Print.
  - Implemented document transformation capabilities (e.g. rotation, pages per sheet etc.) server side.
- **Qualcomm Innovation Center Inc.** **May 2012 – Aug 2012**
  Interim Engineering Intern *Boulder, CO*
  - Significantly improved performance of JGit reducing code push times from ~1 hour to a couple of seconds.
  - Implemented multi-master support for Gerrit Code Review with heartbeats and cache synchronization.
- **Cyber Command, Ministry of National Defense** **Oct 2013 – Jul 2015**
  Software Engineer (Sergeant), Mandatory Service *Seoul, South Korea*
  - Created network monitoring software, front-end UI dashboards, and analytics software.

Projects

- **Holoscanner: Gamifying 3D Scanning** **Spring, 2016**
  Augmented reality application for the Microsoft Hololens. (AR/VR Capstone) *Seattle, WA*
  - Project website: https://holoscanner.github.io/

Skills

- **Programming:** Python, Java, GLSL, C++, MATLAB, Web (JavaScript, HTML, CSS), TypeScript
- **Tools:** Numpy, Tensorflow, OpenGL, Cython, Protobufs, Guice, Guava, Netty, WebGL, Flask, Blaze, FlumeJava, Ceres Solver