MINYOUNG KIM

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minyoung.mia.github.io

RESEARCH INTERESTS

Computer Graphics, 3D Geometric Modeling, 3D Geometric Deep Learning, Virtual and Augmented Reality

EDUCATION

Ewha Womans University   Seoul, South Korea
M.S. Student in Computer Science and Engineering   Mar 2019 - Feb 2021 *(expected)*
Advisor: Prof. Young J. Kim

Keimyung University   Daegu, South Korea
B.E. in Game and Mobile Engineering (GPA: 3.59/4.0)   Mar 2012 - Feb 2017

EXPERIENCE

Ewha Womans University   Seoul, South Korea
Research Assistant, Advisor: **Prof. Young. J Kim**   Mar 2019 - *present*

   Project 1 - "Haptic Painting in VR"
- Proposed haptic interfaces based on force feedback to provide a physical painting experience to virtual reality users

Nova Mobile System   Carlsbad, CA, USA
Junior Mobile Programmar Intern - "Nova Mobile App"   May 2017 - Apr 2018

- Worked on Cross-Platform mobile application serving GPS service
- Developed custom renderer for particular mobile platform
- Implemented Microsoft Xamarin forms application in C#

Qualcomm Institute   San Diego, CA, USA
Student Intern - "Health-Related IoT Tracnking Project"   Jan 2016 - Feb 2016

- Worked on web server and pages handled data transporting from Android to server
- Implemented web server using PHP and MySQL
- Implemented website using HTML, CSS, and JavaScript

Prof. Sung LAB, Keimyung University   Daegu, South Korea
Undergraduate Researcher   Nov 2015 - Dec 2015

- Worked on life support simulation program to instruct cardiopulmonary resuscitation
- Implemented under Unity 5, using Oculus-rift DK2

PUBLICATIONS

International Conference

Minyoung Kim, Young J. Kim, "Haptic Interfaces for Tangible Digital Painting in VR", Pacific Graphics, Oct 2019 (extended abstract) *Poster*
Poster

Domestic Journal

Minyoung Kim, Young J. Kim, "3D Surface Painting in VR using Force Feedback", Journal of the Korea Computer Graphics Society, 26(2), Jun 2020
Project Page Paper

Domestic Conference

Minyoung Kim, Young J. Kim, "Haptic Interfaces for Tangible Digital Painting in VR", Korea Computer Graphics Society, Jul 2019 (extended abstract) *Oral Presentation*

HONORS & AWARDS

[HO1] **Best Paper Award** The 2019 Korea Computer Graphics Society (KCGS)

SCHOLARSHIP

1st Excellent Record Scholarship, Keimyung University	Mar 2014
2nd Excellent Record Scholarship, Keimyung University	Mar 2013, Sep 2013, Mar 2013 Mar 2015, Mar 2016
3rd Excellent Record Scholarship, Keimyung University	Sep 2012, Sep 2014

EXTRA-CIRRUCULAR

Teaching Assistant Seoul, South Korea
Computer Graphics, Ewha Womens University Fall 2020

- Assisted Young.J Kim and responded to question from students

WEST(Work, English Study, Traval) Program Los Angeles, CA, USA
National Institute for International education of South Korea Jan 2017 - Apr 2018

- Participated government funded overseas exchange program run by Korean Ministry of Education
- Completed internship program in Nova Mobile System at Carlsbad, CA

TECHNICAL SKILLS

Programming Languages	C, C++, C#, Python, JAVA
Virtual Reality	Unity3D, Unreal Engine 4
Other	Experience with OpenGL, Arduino, Xamarine