MINYOUNG KIM

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Personal page Google Scholar

RESEARCH INTERESTS

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

EDUCATION

Ewha Womans University   Seoul, South Korea
M.S. Student in Computer Science and Engineering (GPA: 3.8/4.0)   Mar 2019 - Feb 2021 *(expected)*
Advisor: Professor Young J. Kim

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

PUBLICATIONS

International Conference

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

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*

AWARDS

Best Paper Award, Korea Computer Graphics Society (KCGS)   2019

RESEARCH EXPERIENCE

Ewha Womans University   Seoul, South Korea
Research Intern *(Advisor: Professor Young J. Kim)*   Jan 2019 - Feb 2019
Project - "Haptic Painting in VR"

- Surveyed related works for haptic interfaces in virtual reality painting
- Implemented prototype providing force-feedback between virtual objects and user interaction

Keimyung University   Daegu, South Korea
Undergraduate Researcher *(Advisor: Professor Yunsik Sung)*   Nov 2015 - Dec 2015

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

WORK EXPERIENCE

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
- Implemented custom renderer for mobile platform and Microsoft Xamarin forms 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 and website using HTML, CSS, and JavaScript

SCHOLARSHIP

Research Assistant(Full tuition), Ewha Womans University   Sep 2019
1st Excellent Record Scholarship(Full tuition), 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

TEACHING

Computer Graphics, Ewha Womens University   Seoul, South Korea
Teaching Assistant   Fall 2020
- Covered Basic computer graphics concept and OpenGL 3.3 programming
- Assessed assignments and provided feedback to students for inquires

JAVA Programming, Keimyung University   Daegu, South Korea
Teaching Assistant   Fall 2015
- Covered basic JAVA language and programming
- Assessed assignments and provided feedback to students for final projects

EXTRA-CIRRUCULAR

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 in Nova Mobile System at Carlsbad, CA

Eco-Energy Game Development Camp   Daegu, South Korea
Daesung Energy   Jan 2017 - Apr 2018
- Instructed children to make and design game
- Implemented game system using Xcode and edited 2D graphics using Adobe Photoshop

TECHNICAL SKILLS

Programming Languages	C, C++, C#, Python, JAVA, LaTeX
Graphics	OpenGL, MeshLab, Blender, Unity 5, Unreal Engine 4
Machine learning	PyTorch
Other	Git, Docker, Arduino, Xamarine