UNIST
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Dongyun Han

Graduate Student, Computer Science, UNIST

Education

Ulsan National Institute of Science and Technology, Ulasn, Republic of Korea
Master in, Computer Engineering, *March' 18 - Present*

Ulsan National Institute of Science and Technology, Ulasn, Republic of Korea
Bachelor in, Electrical and Computer Engineering, *March' 10 - February' 18*
including 2 years of military service

Research Interests

Human-Computer Interaction (Especially on AR and Wearable Devices)
Visualisation & IOT

Computer Skills

Languages: Python, C#, HTML, JavaScript, Ajax, ...
Technologies: Keras, Flask, MongoDB, ...

Research Experience

Building Diagram for How MERS-CoV is Spreaded
Supervisor : Prof. Chang-Hyeong Lee, UNIST *Internship, March '12 - May '12*

- Poster exhibition at UNIST
- Represented a diagram how infectees will be infected,cured or died by describing each nodes for possible states of infectees and each links for percentage of change from state A to state B

Reconstructing Perpendicular Images from Multi-Scale Images of the Brain
Supervisor : Prof. Won-Ki Jeong, UNIST *Internship, Nov. '12 - February '13*

- Down sampled images from set of several parallel cross-sectional images of the brain in high resolution, reconstruct the perpendicular images in clear resolution

AirScope: Visualizing Fine Dusts in AR
Supervisor : Prof. Sung-Ahn Ko and Prof. Young-Woo Park, UNIST
Internship, June '17 - Dec. '17

- Submit to HCI Korea '18 Creative Award
- Cooperated with a design background student
- Built a concept of AR device to show how many fine dusts exist in the air intuitively

OK, Developers, Now you can design: An Interactive feedback-based Mobile GUI Prototyping Tool
Supervisor : Prof. Sung-Ahn Ko, UNIST *June '18 - Sep.'18*

- Under Submitting to *ACM UIST '19* as the third author
- Interviewed with 16 novice developers to understand their problems with an existing tool
- Built a mobile GUI prototyping tool in Google Extension that provides instant feedback on users design

Awards & Achievements

Awarded the **Creative Award** for design work presentation at HCI KOREA '18
Registered patent application named 'Visualization Apparatus for Displaying Fine Dust' as patent number 18-83657