

Hong-Quan, Le

Front-End Software Engineer

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Relevant Experience

Front-End Software Engineer @ Letsee, Inc.

Jan 2019 - Present // Seoul, Republic of Korea

- Build WebAR application using Letsee SDK and variety of different languages, frameworks such as JavaScript, HTML, CSS, R3F, Node.js
- Work with 3D rendering library (Three.js), WebGL, 3D models to make WebAR app
- Build web applications from ideation to release, ensure to meet the business requirements and a high degree of maintainability
- Write modern, performant, and robust code for a diverse array of client and internal projects
- Communicate and collaborate with multi-disciplinary teams of engineers, designers, producers, clients, and stakeholders on a daily basis

Research Assistant @ KIST

Jan 2017 - Dec 2018 // Seoul, Republic of Korea

- Researched and worked on projects related to Mixed Reality, Virtual Human, Animations/Emotions and Machine Learning
- Developed several prototypes for virtual human to apply object recognition and spatial mapping in virtual environment.

Research Assistant @ Konkuk University

Aug 2016 - Mar 2017 // Seoul, Republic of Korea

- Developed prototype using Weight Perception Framework in Virtual Environment for Hemiparesis Rehabilitation
- Built a segmentation tool for analyzing pet's behaviors through the video capture Arduino sensor
- Built an AR web application hand gestures to support studying 3D Geometry
- Collaborated to make a web app for centralize monitoring, communication and enhance cooperation
- Developed a web application using hand gestures to support disabled people to control web browser

Software Engineer @ Enclave ODC Co., Ltd

Jul 2011 - Aug 2014 // Danang, Vietnam

- Worked on a proxy web-service application community between DataGravity CRM's system, Salesforces.com and AWS Amazon S3
- Configured a web application for Smart Home Control Monitoring System with GeminiAPI
- Worked on a web application to manage automatic back-end procurement's activities using ADF framework and Oracle E-Business Suite

Skills

Programming Languages

JavaScript (ES6), HTML, CSS/Sass, React, C#

Libraries & Frameworks

R3F, three.js, Node.js, ARToolkit, Adobe Mixamo, jQuery, Bulma

Tools & Platforms

Git, WebStorm, Unity 3D

Design

Adobe XD, Adobe Illustrator, Zeplin

Education

Konkuk University

2014 - 2016 // Republic of Korea

Master of Computer Science in Human Computer Interaction

Danang University

2007 - 2011 // Vietnam

Bachelor of Computer Science

Publications

CASA 2019

01-03 July, 2019 // Paris, France

Design of Seamless Multi-modal Interaction Framework for Intelligent Virtual Agents in Wearable Mixed Reality Environment, (<https://dl.acm.org/citation.cfm?id=3328758>)

BigComp 2017

13-16 Feb, 2017 // Seoul, Korea

An Augmented Reality Application with Hand Gestures for Learning 3D Geometry, (<http://ieeexplore.ieee.org/document/7881712/>)

Interests

Reading, Drawing & Coloring, Video games