

JUN SIK PARK

5101 25th Ave NE, Seattle, WA 98105

Visa Status: OPT (1st year)

Phone: 206-688-6526

Email: junsikpark91@gmail.com

Website: <https://junsikpark91.github.io/digitalresume/>

WORK EXPERIENCE

University of Washington, Seattle

Sep. 2018 – Apr. 2020

Research Assistant, Human and Systems (HAS) Lab

- Designed a virtual construction environment using virtual reality technology (Unity3D) for the experimental setting.
- Gathered and managed subjective data from a test in controlled environment settings.
- Utilized R and Minitab to perform model analysis for qualitative and quantitative data from the study of the virtual environment.
- The visual acuity of humans is significantly affected by the virtual environment, and size estimation occurred by 70~80% of the real size.

Soongsil University, South Korea

Mar. 2017 – Aug. 2018

Research Assistant, Human-Computer Interaction & Usability Lab

- Designed an augmented reality (AR) -based assembly line to improve the usability of the AR application.
- Performed the A/B test to find the best AR applications in terms of usability.
- Utilized R and Minitab to perform model analysis of the data from the experiment.
- Performing the study on the effect of virtual reality on perceived tactile emotions and presented the results at an international conference in Japan.

Teaching Assistant, Industrial Engineering Department

- Teaching Assistant for 'Human-Computer Interactions' & 'C Programming' for undergraduate classes.

Intern, Creative Engineering Center

- Monitored and managed the quality of the 3D printer in the facility maintenance.
- Scheduled and supervised events from the center and prepared materials and tutorials for facility equipment.

EDUCATION

UNIVERSITY OF WASHINGTON, Seattle, WA, USA

Jun. 2020

Master of Science in Industrial & Systems Engineering

SOONGSIL UNIVERSITY, South Korea

Feb. 2017

Bachelor of Science in Industrial Engineering

EXTRACURRICULAR ACTIVITIES

Heart Disease Project

2020

- Utilized R to find significant factors for predicting heart disease using public data from Kaggle.
- Modeled Logistic Regression using a gradient-ascending algorithm using Python and had 92% prediction accuracy.

Guest Instructor, Human Performance Modeling

Feb. 2020

- Invited as a guest instructor to introduce tutorials for Electromyography (EMG) device.

Oversea Volunteering

- Volunteered for disaster recovery in the Philippines. June. 2014 – Aug. 2014
- Volunteered for the house painting at the disaster place in Malaysia. June. 2015 – Aug. 2015
- Volunteered for the support team for the Kenya volunteers. June. 2016 – Aug. 2016

SKILLS

Programming Skills: Python, R Programming, Matlab, C/C++/C#, HTML, CSS, JavaScript, SQL, AMPL

Technologies: Tableau, Minitab, Unity3D, Photoshop, Premiere, AxureRP, SQLite, Bizagi (BPMN modeler), Arena