Junhyeok Jeong

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EDUCATION

Oregon State University   Corvallis, OR
Honors Bachelor of Science in Computer Science, Minor in Mathematics, 3.87 GPA   *Sep. 2017 – June 2021*

EXPERIENCE

Undergraduate Research Assistant   Nov. 2019 – Present
Oregon State University   *Corvallis, OR*
- Implemented computer vision with OpenCV, PyTorch and Mujoco robotics as an undergraduate research assistant in the Dr. Cindy Grimm's grasping robot research team
- Explored Deep learning frameworks: YOLOv3, Mask R-CNN

Office Assistant   June. 2018 – Sep. 2018
IMG Advertising Company   *Seoul, South Korea*
- Learned company culture through senior employees
- Assisted data manipulation and documentary translation for customer commission

Firearms repair technician SGT.   Jan. 2015 – Nov. 2016
Republic of Korea Army   *Seoul, South Korea*
- Developed leadership and teamwork as a squad leader, communication skill with boss, and efficiency in workplace

PROJECTS

Teachable Machine | *Javascript, TensorflowJS, NodeJS*   March 2020 – Present
- Developed web-based tool that makes creating machine learning classification models fast, easy, and accessible to everyone
- Implemented Knn classifier and Neural Network with TensorflowJS API

Object Detection for Grasping Robot | *Python, OpenCV, Tensorflow, Mujoco, ROS*   Nov. 2019 – Present
- Implemented YOLOv3 with caemra sensors to detect object for the grasping robot
- Developed distance measurement tool wih Arduino board and ultrasonic sensor

Online Bookstore Development | *Python, Flask, HTML/CSS, MySQL*   April 2019 – June 2019
- Developed a bookstore site as a front/backend developer for coursework
- Implemented MySQL and Flask to host database server and management

Data Visualization with Unreal Engine 4 | *Python, Flask, HTML/CSS, MySQL*   Jan. 2019 – July 2019
- With Dr. Raffaele De Amicis, wrote a data visualization project which converts from csv data to Unreal Engine 4
- Explored Unreal Engine 4 to learn about AR/VR and data visualzation

TECHNICAL SKILLS

Languages: Python, C/C++, MySQL, JavaScript, HTML/CSS, Unreal Engine 4, CUDA
Frameworks: Tensorflow, PyTorch, Node.js, Flask
Developer Tools: Git, Google Cloud Platform, VS Code, Visual Studio, PyCharm
Libraries: pandas, NumPy, Matplotlib, torch, OpenMP

ACTIVITIES

2019 Summer Undergraduate Research Symposium   Sep. 2019
- Presented URSA research poster (data analysis and visualization with Unreal Engine) at 2019 Summer Undergraduate Research Symposium

Honors College Leadership Challenge Course   Sep. 2018
- Built teamwork skills by attending Honors College Leadership Challenge Course at OSU

Intel Oregon FIRST LEGO League   Dec. 2017
- Supported the league progress and participants as a student volunteer