Hawon Park

hawonpark3@gmail.com | hawonpark.com

WORK EXPERIENCE

AIS2S Lab / ZeroClassLab | Research Assistant   **Sept 2021 ~ June 2019**
- Developed an Android application that uses augmented reality to detect containers on factory racks as a proof of concept for future B2B smart factory solutions
- Created an Android application that tracks and logs a user's GPS location using the Global Navigation Satellite System with a 5-meter accuracy

FD Holdings | Full Stack Developer   **May 2021 ~ July 2021**
- Streamlined market analysis for the finance division by creating an internal platform that aggregates market data in real-time from the Bitthumb, Binace, Upbit, and Coinone cryptocurrency exchanges

v-ETHOS, World Bank | Intern   **April 2021 - May 2021**
- Developed the v-ETHOS 2021 program website platform using ReactJS and MaterialUI
- Ensured smooth mentoring sessions by automating Zoom meeting creation and invitations between 10 mentors and 27 mentee companies using Zoom API and a FastAPI backend

State University of New York, Korea | Natural Language Processing Researcher   **Sept 2018 ~ Aug 2019**
- Adapted Google's SyntaxNet for natural language processing / semantic analysis of Korean patent documents with 90% accuracy
- Identified key hyperparameters via grid search to minimize the loss function of SyntaxNet during semantic analysis

PROJECTS

DeepLabCut | Center for Neural Circuits and Behavior, U. of Oxford   **Aug 2021 ~ Dec 2021**
- Automated pose estimation of experimental mice by implementing DeepLabCut which increased analytical throughput by a factor of three

BlackJack-101 | SUNY Korea   **June 2019**
- Automated the creation of a training dataset of over 40,000 playing cards with randomized backgrounds
- Headed a team of four in creating a computer vision project that uses YoloV3 and K-means clustering to detect a player's hand (94% accuracy) and recommend the next move in a game of BlackJack

TECHNICAL SKILLS

- **Languages**: Java, Javascript, Python, C, PHP, R
- **Technologies**: Django, FastAPI, Flask, MySQL, Android Studio, DeepLabCut, YoloV3

EDUCATION

Stony Brook University / State University of New York, Korea   **June 2022**
Bachelor of Science, Computer Science
- Merit Scholarship (8 Terms) | Dean's List (3 Terms) | Student Ambassador (2018 ~ 2019)
- Selected Coursework: Computer Vision, Artificial Intelligence, Compilers

LEADERSHIP & EXTRACURRICULARS

President | SUNY Korea Computing Society   **Feb 2022 ~ June 2022**
- Building a drone-based, controlled landing payload prototype as a proof of concept to be used in future club hackathons (August 2022 onwards)
- Organized a semester-long coding competition for club members with a focus on improving problem-solving skills in data structures and algorithms
- Coordinated a 24-hour web development hackathon for 40 participants with a theme of implementing one out of seven aspects of corporate social responsibility

Speaker | TEDxISPP   **Jan 2016**
- Speaker for TEDxISPP 2016, "Education: More than Just a Number"