

# CHOI, Jang Hyeon

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**Available period:** mid-May ~ August 31<sup>st</sup>, 2021

**Location:** Seoul, South Korea

## EDUCATION

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**The Chinese University of Hong Kong**

*Bachelor of Science, Computer Science*

**Hong Kong**

Sep 2015 – Jun 2021

(expected)

## WORK EXPERIENCE

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**UPLEXsoft, Cloud Computing Solutions**

*Summer Trainee, Part-time*

**South Korea**

Jun 2020 – Aug 2020

- Rebuilt an open-source code Generative Adversarial Network on a NVIDIA GPU that learned on 5000 images to artificially generate artwork.
- Documented technical business plans and diagrams related to smart-classroom environment that uses IoT sensor data to monitor students.

**Logistics and Supply Chain Multitech R&D Centre (LSCM)**

*Summer Intern, Full-time*

**Hong Kong**

Jun 2017 – Aug 2017

- Developed a C program that translated hexadecimal outputs of a Light Detection and Ranging sensor into numerical distance readings.

## RELATED PROJECTS

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**UPLEXsoft, Cloud Computing Solutions**

*Research project (collaborative)*

- Analyzed correlations that were above 0.2 between attributes in manufacturing execution system data of contact lenses via Python heatmaps.
- Engineered a Support-vector Machine model that could classify contact lenses as either normal or defect based on 1500 JPG image data with 75% accuracy.
- Implemented data-augmentation to amplify the dataset by rotating and flipping images and enhanced RAM efficiency by 40% through batch-training.

**Fundamentals of Artificial Intelligence**

*Coursework project (individual)*

- Attained 96% accuracy and 10% training loss with a Deep Convolutional Neural Network that determined the toxicity of 900 drug types.

**Mobile Computing and Application Development**

*Coursework project (individual)*

- Developed an application for self-diagnosis on COVID-19 by asking the user for any symptoms as outlined by the World Health Organization.
- Integrated a brief health analysis report into the application that provided the subsequent steps to take according to how the user answered the diagnosis.

## SKILLS

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**Languages**

- Native in Korean
- Fluent in English
- Proficient in Mandarin Chinese
- Beginner in Cantonese

**Technical Skills**

- Python, C, C++, Java, Kotlin, and HTML/CSS

**Software Programs**

- Jupyter Notebook, Google Colab, Android Studio, Visual Studio, and NetBeans