# CHUNG, JI SU

Kumho Bestville 101-703, 58 Jamwondong, Seocho-gu, Seoul, Korea
E-mail: whtnek@gmail.com
Mobile: +82 1062141899

## EDUCATION

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|---|---|---|
| Mar. 2013~ Present | **DONGGUK UNIVERSITY** | **Seoul, Korea** |

- Candidate for Bachelor of Electrical & Electronic Engineering, August 2018
- Related Course: Signal and System, Digital Signal Processing, Random Signal Theory

## WORK EXPERIENCES

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| Dec. 2017~ Present | **Digital Image Processing Lab** | **Seoul, Korea** |

*Undergraduate-level Researcher*

- Scrutinized up-to-date papers about future demand on image processing and deep learning and Studied in image processing on the deep learning
- Improved facial recognition system with integrated cascaded multitask framework architecture built on convolutional neural networks with multi resolution stages, NMS, and hard sample mining method

## PROJECTS

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| Mar. 2018~ Jun. 2018 | **Signal Reception using Drone** | **Sungnam, Korea** |

*LIG Nex1 Co., Ltd*

- Designed a functionality of a software program and GUI for detecting RF signals radiated in space by the Drone & Award of excellence
- Propositioned and simulated better way of searching the signal source by putting together GPS signal and Gyro data when drone is moving

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| Jan. 2018~ Jun. 2018 | **SIFT / NONSIFT Classification using Deep Learning** | **Seoul, Korea** |

*Individual research supported by prof. CS Won*

- Created training data and Trained SIFT / NONSIFT classification ConvNet which has 99.81% accuracy.
- Expanded the topic to build SIFT with 36 orientation class and NONSIFT classification ConvNet which has 70.17% accuracy, programmed application that can predict exact orientation based on the expected value according to the conditional probability having about 90% accuracy

## EXTRA-CURRICULAR ACTIVITIES

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| Dec. 2016~ Present | **PSSE** | **Seoul, Korea** |

*Co-founder, Marketing Director*

- Founded a Fashion brand with the slogan "To foster a community of different backgrounds while respecting individuality", "Business for talent donation"; 5th acting members are currently operating the public service successfully
- Reached out to a president of SUNY Korea and awarded college staff uniform supply contracts for 2017 and 2018 by pitching company's vision; successfully delivered uniforms and donated KRW 300,000 of profit to the university

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| Aug. 2016~ Nov. 2016 | **Doongji Community Children Welfare Center** | **Goyang, Korea** |

*Voluntary teacher*

- Devised a group study program, teaching math and consulting about their course
- Helped children who are suffering from financial or family circumstances through psychological counseling

## SKILLS AND OTHER INFORMATION

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| Languages | • Native in Korean, Advanced in English (TOEIC: 830) |
| Computer skills | • Proficient in C, C++, MATLAB, and Microsoft Office applications |
| | • Upper-intermediate in Python, Html |
| Interests | • Deep interest in Machine learning, computational photography and blockchain |
| | • Active participant in various sports including badminton and squash |
| Military Service | • Republic of Korea Army, 9th infantry division headquarter, education-training department (Feb. 2015 ~ Nov. 2016) |