Ivan Derianto

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SUMMARY STATEMENT

Inquisitive, motivated software engineer focusing on Computer Vision and AI fields to make computers intelligent and improve human's life quality. Fast learner and always motivated to develop new skills in the field of computer science and engineering.

EDUCATION

Bachelor of Engineering, Major in Computer Engineering

Kyungsung University, Busan, South Korea   *March 2014 to February 2018*

SKILLS

Languages: Comfortable with Python, C ++. *Familiar with* C, C#, Java, HTML, JSP, JavaScript, CSS
Application Programs: Visual Studio, Dev C++, IDLE, Spyder, Vim, Eclipse, Android Studio, Prolog
Other Skills: AI Machine Learning and Computer Vision, MySQL, SQLite
Frameworks and Libraries : Darknet, Basic of Tensorflow and Caffe, OpenCV, CUDA

RELEVANT EXPERIENCE

Software Engineer

Geolux Co., Ltd., Seoul, South Korea   *March 2018 to Present*

- Develop Computer Vision and AI Deep Learning software to detect damaged highway surface for smart highway maintenance (funded by Korea Expressway Corporation)
- Optimize the application program performance by debugging, adding, improving functions and algorithms which are related to image and video processing, GPS data extraction, and database
- Build object detection model using YOLOv3 to improve the object localization and integrate it to main program in Windows 10 and Ubuntu
- Train and test Convolutional Neural Network models for image classification such as GoogleNet using NVIDIA Digits with Caffe and Intel OpenVINO inference, transfer learning using Inception V3 with Tensorflow, and Google AutoML
- Annotate custom dataset for image classification and object detection

Research Assistant

Kyungsung University, Busan, South Korea   *July 2017 to November 2017*

- Used Python as the main programming language to create an automatic program to extract the sentiment (neutral, positive, negative) and the purpose of citations in scientific paper
- Focused on Machine Learning field, planned and experimented sets of features and created the model based on those features
- Tested how good the model was and compared the accuracy, precision, recall, f1-score differences from the different sets of features

- Manually tagged/extracted more than 1.000 citing sentences from various scientific papers (based on ACL Anthology Network) in order to create our own training data

Web Developer Freelancer

Telecommute, Jakarta, Indonesia   *January 2013 to May 2013*
- Planned, developed, and designed a website for Sumitama Lubrindo Jaya oil company using HTML, Joomla and CSS
- Published the website and performed several maintenances after publication

ADDITIONAL SKILLS

Language
- Indonesian : Native proficiency
- English : Full professional proficiency
- Korean : Limited working proficiency, TOPIK (한국어능력시험) : 4 급

Leadership

Participated and elected as chairman and coordinator in some voluntary events and organization, such as :
- Chairman in Indonesian Catholic Community in Busan
- Even coordinator of Sports Event of Indonesian Students Association in Korea
- Stage lighting coordinator of Knock Knock Indonesia 2017
- Sub security staff during President of Indonesia visit in South Korea, etc

Visual Communication Design

Participated in design team in some voluntary events to create lots of design works using Photoshop

SOCIAL ACTIVITIES

Organization

Period	Organization Name	Position
February 2014 ~ Present	Indonesian Catholic Community in Busan (KKIB)	2016 : Chairman 2015 : Photography Committee 2014, 2017 ~ present : Member
September 2015 ~ December 2017	Language Processing (LP) lab in Department of Computer Engineering, Kyungsung University	Member
February 2014 ~ December 2017	Indonesian Students Organization in Kyungsung University (MIKY)	Member
February 2014 ~ December 2017	Indonesian Students Association in Korea (Perpika)	Member
February 2014 ~ December 2015	Kyungsung Indonesia Traditional Dance Association (KITA)	West Sumatra Performer