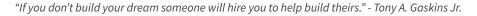


27-3 Seongbuk-gu Jongam-dong Room B102, Rep. of KOREA

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Summary

I am an enthusiastic and professional, who enjoys being part of, as well as leading, a successful and productive team. I am quick to grasp new ideas and concepts, and to develop innovative and creative solutions to problems.

Work Experience

Data Mining and information System Laboratory, Korea University

Seoul, S.Korea

RESEARCH ASSISTANT

Sep. 2011 - Feb. 2018

- Designing and development of new architecture of Convolutional Neural Network (CNN).
- Proposed an efficient algorithm for cancer diagnosis in mammograms
- · Efficient and accurate ROI generation, extracting a set of features (textural, statistical and frequency) and finally classification of masses.

ALPINION Medical Systems

Seoul, S.Korea

RESEARCH ENGINEER

Jan. 2016 - Jan. 2017

- · I lead three projects, which were related to needle tracking, speckle noise removal and de-mosaicking.
- Platform was built and deployed in C, C++ and Python with a focus on frame rate, fault tolerance and false detection of the needle.

Bahria Enterprise Systems and Technologies

Islamabad & Karachi, Pakistan

SOFTWARE DEVELOPER

Jun. 2006 - Jul. 2011 • CRM software development (based on PhP, MySql, Ajax and SugarCRM). Developed software is for effective sale force, marketing, customer

- support services and order management
- Developed customizable reports, ticket management and mobile friendly version of the CRM

National Institute of Population Studies

Islamabad, Pakistan

SOFTWARE ENGINEER

Jan. 2005 - May. 2006

Sep. 2011 - Aug. 2019

- I have worked on database and data entry program development for survey data.
- Experience efficient entry of the huge survey data, data cleaning and report preparation

Technical Skills_

- · Scientific expertise in the fields of machine learning, computer vision, pattern recognition, medical image analysis (segmentation, feature extraction, classification), computer aided diagnosis and discrete geometry processing
- Experience working in Python, TensorFlow and PyTorch
- · Engineering expertise of design, implementation, optimization and integration of algorithms in C++, ITK, and Matlab.
- Experience working on web technologies, PHP, MySQL, JavaScript, XML, CSS and HTML.
 - Content Management Systems (CMS): Wordpress, Joomla and Dropal.
 - Web Customer Relationship Management (CRM): Sugar CRM and vTiger.
 - Shopping Cart Solutions: openCart, PrestaShop and Magento.
- · Practical experience of working in R.
- · Have practical experience of Data Warehouse using TERADATA.
- Ample knowledge of statistical Softwares, i.e. SPSS and CSPro.
- Hands-on experience of working on HADOOP and VOLDEMORT (Key-value data store).
- Sound knowledge of C/C++, OOP (Object Oriented Programing).
- Experience of designing database in SQL Server, and MS Access.
- Web Development experience in PHP, MySQL and ASP.NET.
- Development in Microsoft Visual Studio.

Education

PHD IN COMPUTER SCIENCE

Korea University Seoul, S.Korea

· Working on novel Convolution Neural Network (CNN) architecture for classification of objects in image.

BILAL A. LODHI · RÉSUMÉ MAY 2, 2019

NUCES-FAST Islamabad, Pakistan

MS(CS) IN COMPUTER SCIENCE

Jun. 2006 - Apr. 2009 • Worked on image and video data segmentation.

Baqai University

BS(CS) IN COMPUTER SCIENCE

Karachi, Pakistan

Jun. 2001 - Dec. 2005

Honors & Awards

1st Place, 2nd multi-topic graduate workshop in NUCES-FAST.

Islamabad, Pakistan Islamabad,

2008 3rd Place, multi-topic graduate workshop among multi-campus of NUCES-FAST. Pakistan

Extracurricular Activity ___

Pakistani Students Association R.O.Korea

S.Korea

ELECTION COMMISSION & ADMINISTRATOR

Jun. 2013 - Jun. 2015

- conducted e-elections for Pakistani students in all universities of R.O.Korea
- Deriving election rules and community building

Publications

• Publication's list will be provided if required. It is also available on the website.