Wang Rui

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EDUCATION

SIMON FRASER UNIVERSITY
Msc in Computer Science
Expected April 2017 | Burnaby, BC
Cum. GPA: 3.87/4.0

NANJING TECH UNIVERSITY
BS in Electrical Engineering
Jun 2013 | Nanjing, Jiangsu
Cum. GPA: 90.33 / 100

LINKS

Github:// **github.com/reking**
Github:// **github.com/rekingbc**
LinkedIn:// **wangrui0902**

COURSEWORK

Machine Learning
Design&Analysis of Algorithm
Algorithm of Optimization
Modern methods in Statistics
3D Computer Graphics
Multimedia System
Database & knowledge System
Deep Learning

SKILLS

PROGRAMMING
C/C++ • Python • JavaScript • Scala
Julia • Lua • Java • Clojure
Go • Shell • Assembly • VHDL

TOOLS
Torch • Caffe • Theano • Tensorflow
Spark • Docker • Redis • Hana
LLVM • GCC • Angular • ReactJS

TEACHING

Intro. Computer Architecture
Operating Systems
Intro. Software Engineering
Intro. Computer System
Software Design and Analysis
Fundamentals of Digital Logic & Design

EXPERIENCE

SAP | Research & Innovation Intern
May 2016 – Dec 2016 | Vancouver, BC

- Research on deep learning and NLP to analyze of license text information, from Hana Database
- Design and Code new Front End Dashboard through AngularJS, SASS
- Build Restful Entities and controller through Spring Boot
- Build data processing server through Akka, Spray, Tomcat Server, Docker

SFU | Research Assistant
May 2015 – Dec 2016 | Simon Fraser University, BC

- Research on Deep Learning with application on Image Caption
- Research on Scalable Probabilisitc Inference, Nonparametric Bayesian Process
- Research on large-scale optimization, bayesian optimization, submodular optimization

ENTREPRENEURSHIP | STARTUP TECH ENGINEER
NOV 2013 - Jan 2014 | Nanjing,China and Stanford University,CA

- Trained on Coperations and Leading for startups
- Study Venture Capital and Business Communications
- Face-to-Face communications with investors in Silicon Valley
- Road Map Presentation to Investors and Professors

PROJECT

RECONSTRUCTION OF 3D SCENE | 3D VISION& OPTIMIZATION
Jan 2015 – April 2015| Simon Fraser University

- Develop c++ application to match two view images on the same place
- Implement 3D vision models to reconstruct to one standard image(structure from motion)
- Utilize Non-Linear Optimization tech to refine the stitched photos

RECOGNIZE MATH FORMULAS | DEEP CONVOLUTIONAL NET
Nov 2014 – Dec 2014 | Simon Fraser University

- Design hierarchy neural network to extract deep convolutional features from segmented handwritten math symbols
- Implement comparative experiments on ImageNet Model, LeNet and our Deep Network through common shared Linear Classfier
- Reduce High-Dimension Features to 2-D Maps, compare seperability of different features

AWARDS

2016	Graduate Fellowship	Simon Fraser University
2013	Excellent Undergraduate top 0.1%	Nanjing Tech University

SOCIETIES

2014 - 2016	Volunteer	SFU Evangelical Chinese Fellowship
2016 - 2017	Organizer	SFU Chinese Graduate Association