

Rongxian Tian

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EDUCATION

University of Southern California (Los Angeles)

Expected May 2019

Master of Science in Computer Science

Beijing Jiaotong University (Beijing, China)

June 2017

Bachelor of Engineering in Computer Science

GPA : 87.8

WORK EXPERIENCE

ONOVA, LLC software engineer intern

1/2018-present

- Use deep learning to build neural networks on image detection
- Read paper on Resnet, Inception, VGG, do research to improve algorithm by 30%

TECHNICAL SKILLS

Programming Languages : Python, C, C++, Java, C# , JavaScript, Linux shell, assembly language

Tools : tensorflow, tensorboard, Anacoda, SQL Server, MySQL, Eclipse, GIT, Android Studio, IntelliJ, Apache Tomcat, MATLAB, PyCharm, PHPstorm, AWS, OpenCV, NVIDA coda, unity, ARM

Web Development : HTML, CSS, Bootstrap, struts2, MVC, JSON, AJAX, PHP, angularjs, node.js, jquery

Classwork : Convolutional Neural Networks for Visual Recognition, Algorithm, Artificial Intelligence, Web development, Operating Systems, Database Systems, Data Structures, Computer Networks, etc.

PROJECTS

First Person Game development

01/2018-04/2018

Unity, C#

- Build a First Person Game, which implements IBM chatbot, so player can chat with the computer to get information. I am responsible for saving/loading/menu logic and debugging most problems.

Deep learning implement on CIFAR-10 dataset

01/2018

Tensorflow, Anacoda, NVIDA coda, Python, CNN

- Build a 20 layers convolutional neural network based on ResNet to classify 10 classes, with 50000 images totally.
- Start from 50% accuracy rate, change layers, stride, padding, pooling method to increase accuracy to 86%.

Machine learning implement on eyes detection

03/2017-06/2017

C++, OpenCV, dlib, support vector

- Applied knowledge on image detection and machine learning, implemented 3 face detection algorithms of LBP, HOG, Haar and called OpenCV, dlib library, judge if eyes are open or closed.
- Trained my system with a 20MB file containing eye data.

Web development: Travel and Entertainment Search

03/2018-04/2018

Javascript, node.js, bootstrap, Angularjs, AWS

- Based on search content, use Google API to get information around the destination, return 20 items per page, including images, reviews, Google Map, where we can get route. Also implement Yelp and ipapi, totally 3 API.

Web development : online library management system

12/2015-01/2016

Java, SQL server, tomcat, html, bootstrap, struts2

- Designed a system with struts 2 frame and bootstrap to retouch front-end, involved more than 10 operations used. Used tomcat as server, SQL server as database, webpage as UI.
- Connected Database with User Interface, gave users authorities to search and borrow book, apply for reader-card, while administrator could deliver authorities and control all the book information.
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LEADERSHIP AND INVOLVEMENT

- **Member :**

Deputy Director and director, Marching Band of Beijing Jiaotong University

10/2013-07/2017

Coordinator, University Clubs Union of Beijing Jiaotong University

10/2013-07/2014

- **Awards :**

1st Prize in Professional Teams, ACM, Beijing Jiaotong University

05/2015