



Ziqi TANG

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EDUCATION

University of Pittsburgh

Pittsburgh, PA 2020/05 (Intended)

Master of Science in Information Science, GPA: 3.67/4.0

Courses: Web Technologies, Client-Server System, Cloud Computing, E-Business, Human Factors in Systems

Central South University

Changsha, China, 2014/09 – 2018/06

Bachelor of Engineering in The Internet of Things, GPA: 3.68/4.0

Courses: Operating System, Linux, Compiler, Data Structure, Algorithms, Computer Networks, Wireless Networks, Database, Sensor Technologies, Digital Image Processing, Pattern Recognition, etc.

TECHNICAL SKILLS

Languages: Python, C++, Java, Erlang, Html, CSS, JavaScript, SQL

Web-related: Spring, Servlet, JSF, Node.js, Vue.js, Bootstrap, Android, MySQL, MongoDB, CouchDB

AI-related: Caffe, TensorFlow, OpenCV

Systems and Other tools: Windows, Linux, Hadoop, Docker, Git

EXPERIENCE

Visual Lab, Chinese University of Hong Kong

Shenzhen, China, 2018/03 – 2018/05

Software Engineering Intern

- Configured lab networks, deployed projects with Docker
- BabyCam
 - Combined baby's photo with background photo by Instance Segmentation
 - Optimized the outline, making the transition from foreground to background more natural with OpenCV

Briup Technology, Inc.

Kunshan, China, 2017/06 – 2017/07

Software Engineering Intern

- Designed an intelligent car which could avoid obstacles, auto-searching based on ZigBee
- Implemented the map and user interface at client side by Qt, using Singleton Pattern

PROJECTS

Cloud Computing

INFSCI 2750, Pittsburgh, 2019/01 – Present

- Executed distributed computation with Hadoop in either Docker or remote VMs

E-Business

INFSCI 2730, Pittsburgh, 2019/01 – Present

- Realized a purchasing module by using Spring, MongoDB at backend and Android at Mobile-side
- Applied JSF, JDBC to an online hotel booking system

Postify Music

INFSCI 2560, Pittsburgh, 2018/10 – 2018/11

- Accomplished the social platform by enabling user to publish feeds, listen to recommended music, add friends, and chat online or offline by using RESTful API in Node.js
- Uploaded Images and music to Alibaba OSS; stored other data in MongoDB
- Developed user interface by Vue CLI

GreenLife, An Online Market

INFSCI 2710, Pittsburgh, 2018/10 – 2018/12

- Provided functions such as searching and purchasing items, checking history, etc., including basic CRUD operations and Transaction in MySQL
- Added functionality at backend such as Hot swapping and Reverse Proxy
- Used JQuery Ajax for sending request

Face Aging Processing

AI Lab, CSU, 2017/10 – 2017/11

- Generated faces of all ages by Generative Adversarial Networks; applied Filter and Morphology

Aid Diagnosis System

AI Lab, CSU, 2017/03 – 2017/08

- Achieved an IoU of 0.839 by applying Fully CNN to brain tumor segmentation
- Designed a Predictive Clustering Tree for medical text to predict patients' diseases (precision 0.67)