Mingqi Chen

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EDUCATION

Carnegie Mellon University | Pittsburgh, US

Master degree in Electrical and Computer Engineering

class of 2015, GPA 3.22/4.00

Beihang University | Beijing, China

Bachelor degree in Mechanical Engineering and Automation

class of 2013, GPA 3.52/ 4.00

SKILLS

Programming languages: C, C++, Java, Python, SQL, JavaScript, jQuery, HTML, CSS, Matlab

Skills: Linux, Web Development, AJAX, SEO, Git, Android Development, hadoop, Algorithm, Cloud Computing AWS, MCU coding, OpenGL, OpenMp, CUDA, Machine Learning

EXPERIENCE

Full Stack Web Developing Intern | 2014 summer in 3Top, New York, US | www.3top.com

- Developed the web app on **Django**, including four parts: autocomplete for typing, sitemaps, commenting system and notification system.
- **Optimize** the loading speed and search engine.
- Write **Unittest** and manage all branches and version control in **Git**

PROJECTS

SpeakUp Web Application | 2014 spring in CMU, Pittsburgh, US

- Developed the web on **django** architecture and put the website on **AWS**
- Designed the front end using **Bootstrap** and **jQuery**

Diabetes Care Android App | 2014 spring in CMU, Pittsburgh, US

- Developed the back end raw **SQL** database connection and management
- Use **machine learning** method(PCA) to give healthy life suggestions for users.

Wikipedia Log Big Data Analysis | 2014 spring in CMU, Pittsburgh, US

- Analyze the Log Data using **Hadoop** with **MapReduce** model
- Use **Hbase** in **AWS** to store and retrieve the raw data.

Interactive Fish Image | 2013 fall in CMU, Pittsburgh, US

- Developed the Fish crowds moving pattern by **C++** and **OpenGL**
- Optimize the program using **OpenMP**, **SIMD.**
- Connected the original application to **Kinect** to interact with human movements

Quality review system | 2012 fall in Beihang University, Beijing, China

- Design the system using **J2EE** architecture and **oracle database**
- Develop the whole web application system based on Shenzhou software platform

Automatic Positioning Massage Bed | 2011 spring in Beihang University, Beijing, China

- Develop the whole control system using **C language** into 86C51 chip and AVR chip

AWARDS

Frist prize in Beihang University Mechanical Innovative Design Scheme Competition, Second prize in Beijing Capital Mechanical Innovative Design Competition, Third prize in The Fifth Student Research Training Program(SRTP), Merit student in Beihang University, Second prize in Beihang University Science and Technology competition scholarship, Third prize in Beihang University Excellent Learning scholarship.