Qichen Jing

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OBJECTIVE

Seeking a full-time software engineer position

TECHNICAL SKILLS

- Programming languages: Java, HTML, CSS, Javascript, Python, PHP, C#, C++, Matlab, SQL
- Software: Git, Android Studio, Visual Studio, Eclipse, PyCharm

PROJECTS

Android Application Development(Java) April 2015-May 2015

- Designed the layout of a weather android application using XML files.
- Developed and programmed all the java code in Android Studio.

Image Parsing(Matlab, 2015) March 2015-May 2015

- Designed and Implemented Recursive Neural Network algorithm to parse/understand an image.
- Combined with Greedy algorithm to reduce time complexity.

Course Rating and Recommendation Website(HTML, CSS, C#, 2014) October 2014-December 2014

- Designed responsive font-end layouts using HTML, CSS and Bootstrap Grid System.
- Wrote C# code to implement functions in back-end.
- Wrote most SQL query language to interactive with database.
- Helped teammate debug SQL query code.

Image Retrieval (Matlab, 2014) March 2014-May2014

- Proposed a 3D covariance matrix model to represent image performing much better than the popular HSV histogram model
- Combined integral image method to reduce time complexity.
- Achieved the best project in the class and report was kept by professor

Sparse representation for face recognition(C++, 2014) March 2014-May 2014

- Designed a new algorithm to recognize face using sparse representation..
- Worked in Visual Studio to implement the algorithm using C++ and openCV.

RELATED EXPERIENCE

Technical Intern **Rockwell Collins** **Cedar Rapids, IA**
June 2014-August 2014

- Supported Program LCVS by coordinating the discontinue part product line without influences on any customers.
- Analyzed possible reasons for no fault found problem in Flight Control System.

Research Assistant, **Professor Mao Lab at Beihang University** **Beijing, China**
June 2012-September 2012

- Built an object tracking system using particle filter
- Improved robustness of basic particle filter through combining auxiliary particle filter and kernel particle filter
- Improved classic color histogram model to multi-part color likelihood mode with shape likelihood mode which greatly reduced disturbance from false alarms of similar color.

Research Assistant **Image processing and pattern recognition Lab at Beihang University** **Beijing China**
March 2012 – June 2012

- Worked in Visual Studio to design a cars detection system achieving 95% CCR with a fast detection speed using C++ and openCV.
- Took responsibility for a part of a National Natural Science Foundation of China Project as a team leader of three people

EDUCATION

Boston University College of Engineering Boston, MA May 2015

- Master of Science in Computer Engineering GPA:3.75/4.0

Beihang University Beijing, China June 2013

- Bachelor of Science in Electronic Information Engineering GPA: 3.52/4.0

AWARDS &HONOR

- Third Class Scholarship of Beihang University
- Excellent Student of Beihang University
- 2012 Beijing Marathon Finisher