Dejun Qi

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EDUCATION

DePaul University - Chicago, IL **(Expected) March 2017**

Master of Science in Computer Science

- GPA: 3.61 / 4.00
- Key Coursers: Software development, Data Structure, Algorithms, Machine Learning, Scientific Computing,

University of Arkansas Fayetteville, AR **May 2014**

Doctor of Philosophy in Physics

- GPA: 3.74 / 4.00
- Dissertation: From Graphite to Graphene via Scanning Tunneling Microscopy

SKILLS

Specialities: Software development and Data Mining. Familiar with web development with Python, JavaScript, experience with REST web API design. Understanding of statistical model and machine learning algorithms.

- **Python:** Web2Py, Django, NumPy, SciPy, MatPlotlib
- **JavaScript:** jQuery, AngularJS, NodeJS, Express
- **C#:** DOT NET
- **Operating System:** Linux (Ubuntu, Fedora), Windows
- **Database:** MySQL, Oracle, MongoDB, SQLite
- **Others:** Java, Scala, SQL, PHP, HTML, CSS, C/C++, MATLAB, Octave

PROJECTS

Smartphone-Based Recognition of human activities and postural transitions

- Designed machine learning algorithm (Support vector machine and Neural Network) to analyze human activity signal recorded via smartphone. Successfully classified 12 human postures with error rate less than 10 %.

Personal Blog System and Website

- Developed a fully functional personal blog allow editing, posting, and deleting posts using Python in combination with Django web frameworks.

Online shopping bookstore app

- A fully functional full stack online store that includes function of user registration, login, shopping cart, and payment method. C# and .NET were used for server side programming.

EXPERIENCE

Research Assistant, University of Arkansas **2010 Aug -2014 May**

- Performed ultra-high vacuum scanning tunneling microscopy on graphene, semiconductor, and superconducting materials et al.
- Developed method of using scanning tunneling microscopy to control vibration and geometry of suspended graphene.

CERTIFICATES

- Machine Learning by Stanford University on Coursera. December 2, 2015